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# Hydromodification Study

Borrego Photovoltaic Solar Farm

P09-012, P09-014, ER NO. 09-05-001-RPL2

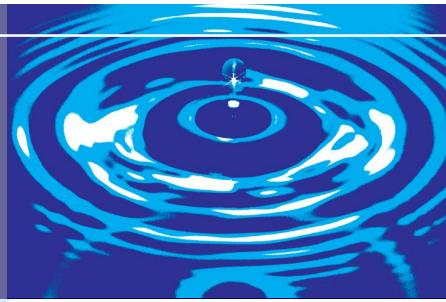


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# Hydromodification Study

*Project Identification:*

## Borrego Photovoltaic Solar Farm

P09-012, P09-014, ER: 09-05-001

*Applicant:*

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- Attachment B – SDHM Parameter Supporting Documents
- Attachment C – Existing and Proposed Development Hydromodification Maps
- Attachment D – Pre-Development Hydrology Map
- Attachment E – Post-Development Hydrology Map
- Attachment F – Digital SDHM Files (Version 12-18-2009)
- Attachment G – Geotechnical Certification Sheet

## **1 Project Description**

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The proposed Project would result in the construction, operation and maintenance of a photovoltaic (PV) solar farm within the community of Borrego Springs, California in northeastern San Diego County. Eurus Energy America Corporation's wholly owned subsidiary, EE Borrego Land LLC (herein referred to as Eurus Energy) proposes to develop such facilities to allow for the long-term generation of clean energy from solar power that would ultimately be sold and distributed for public consumption.

The Project would consist of two separate solar generation facilities on two individual parcels of land, with additional lands affected to allow for transport of the power generated to the existing Borrego Substation. The County Assessor Parcel Numbers (APNs) affected by the proposed Project for the main facilities include 141-230-26 (approximately 288 acres) and a portion of 141-230-33 (approximately 53 acres - to be leased by the Project proponent). Access to the 288-acre parcel and 53-acre lease parcel will be provided from Palm Canyon Drive via an existing 12- to 16-foot wide decomposed granite (d.g.) access road.

The facilities will consist of an array of fixed-tilt, non-tracking solar PV panels, inverter/switching gear housed in 38 12-foot by 26.5-foot structures, one 20-foot by 30-foot storage shed, two onsite substations, and supporting transmission facilities. Energy generated will be transferred to the existing Borrego Substation, located approximately one mile to the west of the 288-acre parcel, adjacent to Borrego Valley Road, via a series of overhead transmission lines. The transmission lines will extend from the 288-acre parcel to the Borrego Substation along one of two identified routes: 1) west from the northwesterly corner of the parcel within an existing 20-foot easement maintained by San Diego Gas and Electric (SDG&E) (overhead facilities); or, 2) south from the southwesterly corner of the parcel along an existing roadway to Palm Canyon Drive (underground), west along Palm Canyon Drive (overhead), then north along Borrego Valley Road (overhead).

Project-related improvements at the existing 4.7-acre Borrego Substation will occur in the area immediately to the south of the existing fenced facilities. Project-related improvements at the Borrego Substation will affect an area approximately 100 by 200 feet in size, or 0.8 acre, and will include installation of a new 69 kV termination rack (bus bar), associated conductors and insulators, two breakers, two disconnect switches, and associated protection and control equipment. A "breakaway" perimeter fence 8 feet in height topped with one foot of barbed wire (similar to existing fencing around the Borrego Substation facilities) will be installed for security purposes. With consideration for anticipated phasing of the project, construction is expected to begin in the fall of 2010. The proposed facilities are expected to be operational in 2011.

The General Plan Land Use Designation for the property is: "Multiple Rural Use." The project site does not lie within the County of San Diego's Multiple Species Conservation Program (MSCP) Subarea Plan.

A non-toxic, biodegradable, permeable soil-binding agent or permeable rock material will be applied to all disturbed or exposed surface areas as follows: a) A permeable soil-binding agent suitable for both traffic and non-traffic areas shall be used. These agents shall be biodegradable, eco-safe, with liquid copolymers that stabilize and solidify soils or aggregates and facilitate dust suppression; or, b) Alternatively, a permeable rock material consisting of either river stone decomposed granite or gravel could be placed in a thin cover over all exposed surface area in-lieu of the binding agent referenced above. In-lieu of, or in combination with a) and b) above, the areas located between the arrays, and any non-drivable surface may be revegetated with native noninvasive plant species.

The focus of this report is hydromodification; water quality and LID are further discussed in the Stormwater Management Plan (SWMP), while flood control is discussed in the CEQA Hydrology and Hydraulics Report.

The solar panels are not considered impervious area since each panel is raised from the ground and does not reduce the amount of pervious cover lying underneath. This allows rainfall to land on pervious area underneath each panel. Impervious areas have been considered as the substations, storage shed, inverter/transformer buildings, and solar panel pilings.

## 2 Vicinity Map

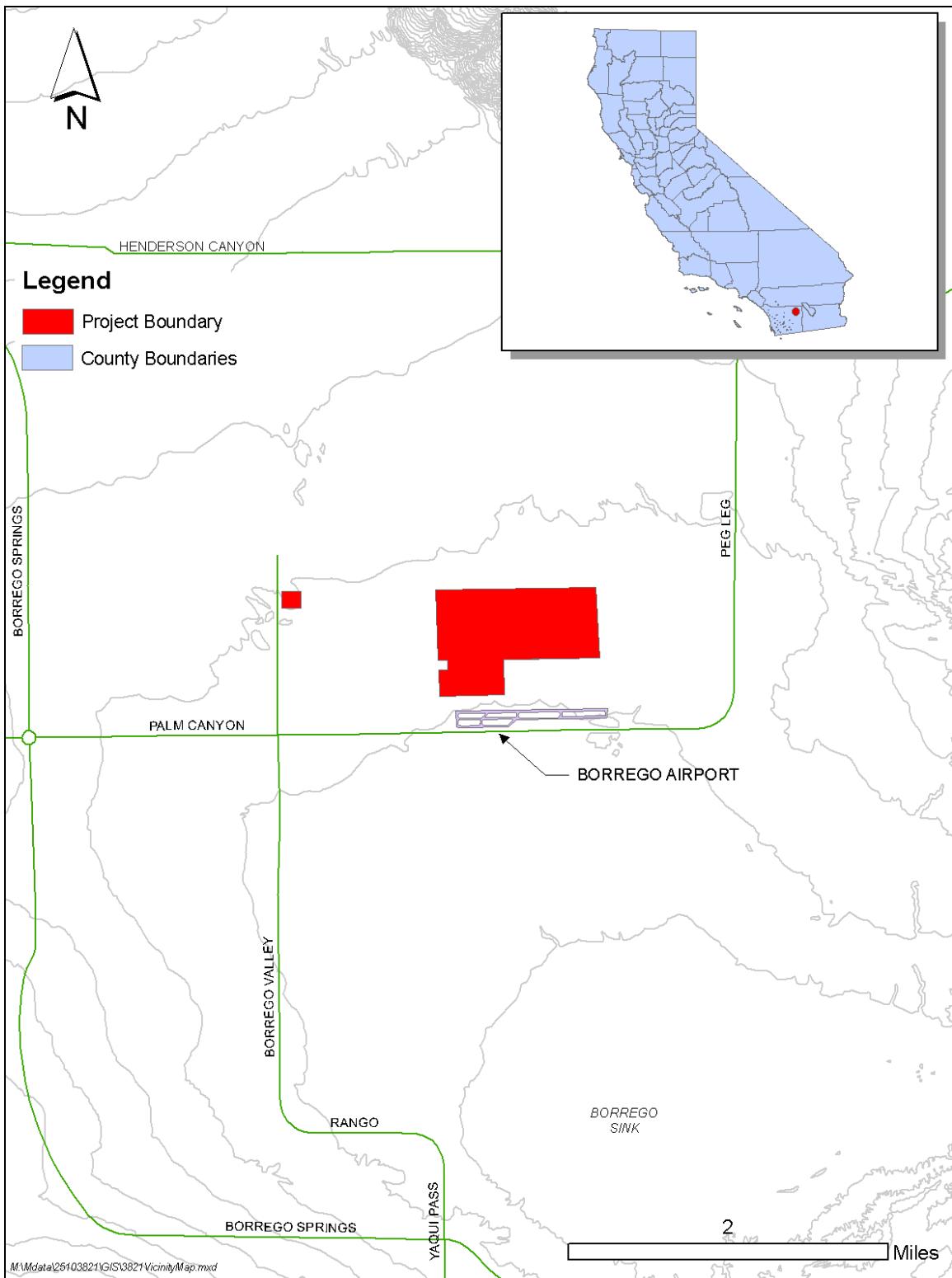


Figure 2-1 Vicinity Map

### **3    *Hydromodification Study Methods***

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To determine the impacts of hydromodification, calculations were performed using the San Diego Hydrology Model (SDHM), executable file dated December 18, 2009. The SDHM is a graphic user interface that runs atop a Hydrologic Simulation Program Fortran (HSPF) engine. HSPF has been the state-of-the-art program for long-term continuous simulation calculations since its inception over 30 years ago.

The model uses 37 years worth of hourly rainfall data collected at the Borrego CRS rain gage, which is located approximately 4 miles southwest of the project site. The loss rates applied to the precipitation data are the result of complex algorithmic calculations based upon lab experiments, theory, and calibration of California stream gauge data.

## **4 Integrated Management Practices**

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The project proposes construction of stormwater Integrated Management Practices (IMPs) to address hydromodification and water quality. The IMPs selected for mitigation of hydromodification impacts for this project are infiltration trenches. EE Borrego Land, LLC is responsible for maintenance of all IMPs proposed for this project. Per the project SWMP, IMP “maintenance requirements will be transferred to future successors in interest”.

### **Infiltration Trench**

Infiltration trenches will be constructed downslope from each of the 38 inverter building pads, the storage building, Basin 300 miscellaneous electrical appurtenances, and two project substations. The infiltration trenches will be of a standard configuration for each type of structure. Because the topography drains from northwest to southeast, the infiltration trenches will be constructed along the southern and eastern sides of each structure, such that drainage from the structures is captured and infiltrated. The trench centerline will be offset six feet from the edge of the pads or the fencing surrounding the substations.

Table 4-1 presents the characteristics of the infiltration trenches and structures draining to them for each structure type.

**Table 4-1: Infiltration Trench Information Sheet**

Structure Type	Structure Dimensions <sup>1</sup>	Infiltration Trench Parameters
Storage Building	Pad dimension: 20' x 30' Impervious Area: 0.014 ac Pervious Area: 0.007 ac	Width: 3 ft Depth: 3 ft Length: 74 ft Porosity of gravel backfill: 0.33 Infiltration rate: 0.3 in/hr
Inverter Building Pad	Pad dimension: 14' x 28.5' Impervious Area: 0.009 ac Pervious Area: 0.006 ac	Width: 3 ft Depth: 3 ft Length: 67 ft Porosity of gravel backfill: 0.33 Infiltration rate: 0.3 in/hr

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<sup>1</sup> The impervious and pervious areas indicate the areas that drain to an infiltration trench for a given structure type. The pervious areas referenced are located within the 6-foot offset between the structure and the infiltration trench.

Structure Type	Structure Dimensions <sup>1</sup>	Infiltration Trench Parameters
Substation	Fence dimension: 90' x 150' Impervious Area: 0.069 ac Pervious Area: 0.241 ac	Width: 3 ft Depth: 3 ft Length: 264 ft Porosity of gravel backfill: 0.33 Infiltration rate: 0.3 in/hr
Node 300 Electrical Appurtenances	Area of Misc. Devices: 74 sq ft Impervious Area: 0.001 ac Pervious Area <sup>2</sup> : 0.2 ac	Width: 3 ft Depth: 3 ft Length: 150 ft Porosity of gravel backfill: 0.33 Infiltration rate: 0.3 in/hr

The top of the infiltration trench will be at grade, so no overflow riser pipe has been provided. Any overflow will drain from the southerly or easterly edges of the infiltration trench as sheet flow.

No soils report has been developed for this project. Based upon the soils at the project site and infiltration values cited in literature from the Natural Resources Conservation Service (NRCS), an infiltration rate of 0.3 inches per hour has been used for design purposes. The rate of 0.3 in/hr is consistent with the saturated hydraulic conductivity of sandy soils associated with hydrology soil groups A and B. A statement, signed and stamped by a registered civil engineer, certifying that the infiltration rate is feasible has been incorporated into Attachment G.

#### Modeling Assumptions

The following is a brief discussion of modeling assumptions:

1. The project does not propose to construct riser pipes for any of the infiltration trenches. When the riser diameter was set to zero inches (i.e., no riser), the SDHM produced results indicating a drainage time exceeding 5 days for depths greater than 0.25 feet. With an assumed infiltration rate of 0.3 inches per hour, a depth of 0.25 feet should infiltrate within 3.3 hours. Because of the unintuitive result produced by SDHM, a 2.5-foot high, 36-inch diameter riser pipe was included in the modeling. The riser height was determined such that the riser elevation was higher than the maximum water surface reported by SDHM and 100% of all inflow is infiltrated (0% through the riser). Please note that the model meets the IHC with or without the riser pipe.

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<sup>2</sup> Due to vehicular constraints, the infiltration trench for the miscellaneous electrical equipment to be installed in Basin 300 will be located more than 6 feet from the proposed equipment. Approximately 0.2 acres of pervious gravel area will drain to the infiltration trench.

2. The models were developed using both pervious and impervious lateral flow basins for the existing and proposed conditions. The lateral flow basin was selected for the following reasons:
  - a. The site is located in a desert area with very little relief and no streams or points of significant concentration.
  - b. The impact of dispersion is anticipated to be significant given the very limited impact that the 4-inch diameter photovoltaic cell pilings should reasonably have: the pilings, totaling 0.106 acres in area, are spaced widely across a site totaling more than 340 acres. SDHM does not permit flow from a lateral flow basin to be discharged into a landuse basin, or vice versa; therefore, the lateral flow basin was selected so that dispersion could be appropriately incorporated into the SDHM runs.
  - c. The proposed infiltration trenches are situated along the southerly and easterly sides of the proposed structures. Drainage to the infiltration trenches flows as sheet flow between different land use types. This scenario matches the described purpose of the later flow basin provided in the SDHM user manual.
3. For each point of compliance, the infiltration trenches were modeled as one conglomerated IMP (i.e., as only one infiltration trench, equaling the total length of all infiltration trenches in a given basin). This simplification is justifiable since all infiltration trenches proposed have the same basic dimensions, except length, and will receive runoff from land uses with approximately the same intensity (i.e., direct runoff from small buildings and small graded areas).
4. Impervious surface percentages are based upon the assumption that substation inverters and other on-site buildings are to be constructed with “slab on grade” foundations. These structures may ultimately be constructed with pier foundations, warranting less hydromodification mitigation than is currently proposed. The selection of building foundation system and final impervious surface percentages shall be determined in final design.

## 5 Conclusions

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Basins 100 and 200 are currently undeveloped natural open space, with salt brush scrub and scattered shallow natural channels. Basin 300 is currently a SDG&E substation.

Table 5-1: presents the hydrologic soil type, land cover/use and slope for areas that drain to each point of compliance. The pre- and post-project areas analyzed for this study are equal<sup>3</sup>.

The Point of Compliance at Node 100 will contain a storage building, two substations, inverter buildings, and solar panel pilings, which together account for less than 0.5 acres of impervious area. The Point of Compliance at Node 200 will contain inverter buildings and solar panel pilings that account for less than 0.25 acres of impervious area. The Point of Compliance at Node 300 contains an existing substation to which minor electrical appurtenances will be added; the new appurtenances account for less than 75 square feet of total impervious area. Runoff from structures and limited pervious areas have been mitigated using infiltration trenches such that pre-development and mitigated post-development conditions match flow duration curves for the statistical range of interest at the property boundary for each of the three Basins.

Complete results of the SDHM analysis are included in Attachment A. Supporting documentation for site soils and vegetative cover (site photographs), breakdown of impervious areas, trench length calculations, as well as a detail for the proposed infiltration trenches are provided in Attachment B. Project hydrology maps are located in Appendix D and E. Digital files for the SDHM model are included in Attachment F.

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<sup>3</sup> Precipitation and evaporation have been applied to the infiltration trenches in SDHM, so the surface area of the trenches was subtracted from the overall Type B Soils for the site to achieve an area balance.

**Table 5-1: Summary of Pre- and Post-Project SDHM Land Characteristics**

PRE-DEVELOPMENT CONDITION						
POC	SOIL TYPE	DRAINAGE AREA (AC)	IMPERVIOUS AREA (AC)	PERVIOUS AREA (AC)	SLOPE (%)	COVER
100	A	17	0	17	0.6	DESERT SHRUB
	B	161.4	0	161.4	0.6	DESERT SHRUB
200	A	2.7	0	2.7	0.5	DESERT SHRUB
	B	161.6	0	161.6	0.5	DESERT SHRUB
300	B	4.67	0.139	4.531	1.2	DESERT SHRUB
POST-DEVELOPMENT CONDITION						
POC	SOIL TYPE	DRAINAGE AREA (AC)	IMPERVIOUS AREA (AC)	PERVIOUS AREA <sup>1</sup> (AC)	SLOPE (%)	LAND USE
100	A	17	0.005	16.995	0.6	DESERT SHRUB / COMMERCIAL
	B	161.4	0.383	161.017	0.6	DESERT SHRUB / COMMERCIAL
200	A	2.7	0.001	2.699	0.5	DESERT SHRUB / COMMERCIAL
	B	161.6	0.217	161.383	0.5	DESERT SHRUB / COMMERCIAL
300	B	4.67	0.14	4.53	1.2	DESERT SHRUB / COMMERCIAL

<sup>1</sup> Note that pervious areas include the areas of the infiltration trenches. In the SDHM models, precipitation and evaporation are enabled for the infiltration trenches, so the pervious area element was manually reduced by the surface area of the infiltration trenches for each POC to achieve area balance. See Attachments A & B for a detailed accounting of area for each SDHM element.

**Table 5-2: Pre- and Post-Development 2-, 5-, 10- and 25-Year Peak Flows**

POC	2-Year		5-Year		10-Year		25-Year	
	Pre-Project	Post-Project	Pre-Project	Post-Project	Pre-Project	Post-Project	Pre-Project	Post-Project
	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)
100	0.0039	0.0038	0.0254	0.0253	0.0400	0.0398	3.3821	3.3652
200	0.0028	0.0028	0.0187	0.0186	0.0286	0.0286	2.9312	2.9283
300	0.0001	0.0001	0.0006	0.0006	0.0008	0.0008	0.0957	0.0919

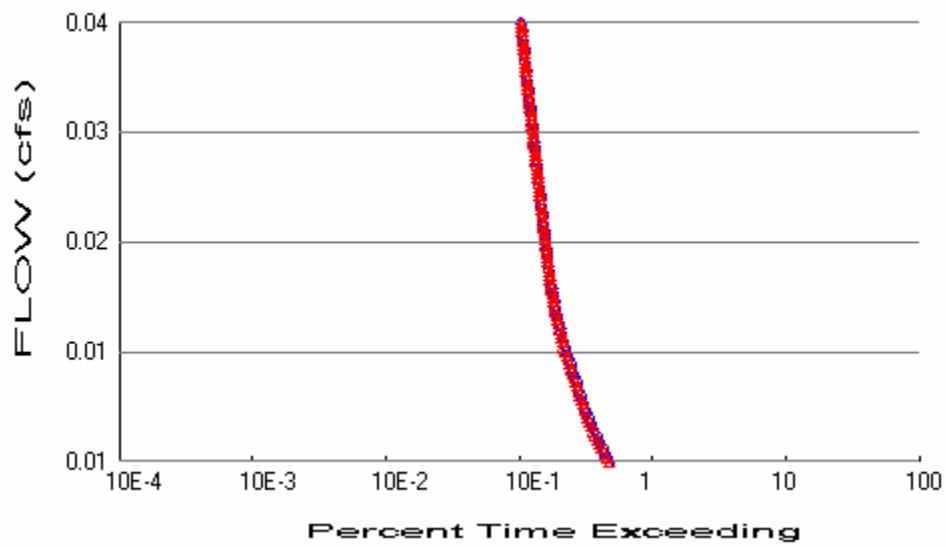
*Notes: See the EE Borrego Land, LLC, Borrego Hydrology and Hydraulics Study Appendix F and G for the pre and post development 100-Year hydrology analysis.*

## **ATTACHMENT A**

### **SDHM Design Calculations**

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# **POC 100**



**San Diego Hydrology Model  
PROJECT REPORT**

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**Project Name:** Basin100

**Site Address:**

**City** : Borrego, CA

**Report Date** : 4/15/2010

**Gage** : San Diego Airport

**Data Start** : 1963/08/08

**Data End** : 2001/01/28

**Precip Scale:** 0.80

**SDHM Version:**

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**PREDEVELOPED LAND USE**

**Name** : EX Type A Soils

**Bypass:** No

**GroundWater:** No

<u>Pervious Land Use</u>	<u>Acres</u>
A,Shrub,Flat(0-5%)	17

**Element Flows To:**

<b>Surface</b>	<b>Interflow</b>	<b>Groundwater</b>
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**Name** : EX TypeB Soils

**Bypass:** No

**GroundWater:** No

<u>Pervious Land Use</u>	<u>Acres</u>
B,Shrub,Flat(0-5%)	161.4

**Element Flows To:**

<b>Surface</b>	<b>Interflow</b>	<b>Groundwater</b>
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**Name** : PR Type A Soil

**Bypass:** No

**GroundWater:** No

<u>Pervious Land Use</u>	<u>Acres</u>
A,Shrub,Flat(0-5%)	16.995

**Element Flows To:**

<b>Surface</b>	<b>Interflow</b>	<b>Groundwater</b>
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**Name** : PR PV Supports on Type A Soil

**Bypass:** No  
Impervious Land Use                    Acres  
Roof Area LAT                            0.005

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**Element Flows To:**  
Outlet 1                                  Outlet 2  
PR Type A Soil,

---

Name : PR PV Supports on Type B Soil  
**Bypass:** No  
Impervious Land Use                    Acres  
Roof Area LAT                            0.05

---

**Element Flows To:**  
Outlet 1                                  Outlet 2  
PR Type B Soil,

---

Name : PR Type B Soil  
**Bypass:** No  
**GroundWater:** No  
  
Pervious Land Use                    Acres  
B,Shrub,Flat(0-5%)                    160.287

**Element Flows To:**  
Surface                                  Interflow                                  Groundwater

---

Name : PR Substations  
**Bypass:** No  
Impervious Land Use                    Acres  
Roof Area LAT                            0.138

---

**Element Flows To:**  
Outlet 1                                  Outlet 2  
Buffer (6' offset),

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Name : Gravel Trench Bed 1  
Bottom Length: 1733ft.  
Bottom Width : 3ft.  
Trench bottom slope 1: 0.0001 To 1  
Trench Left side slope 0: 0 To 1  
Trench right side slope 2: 0 To 1

Material thickness of first layer : 3  
 Pour Space of material for first layer : 0.33  
 Material thickness of second layer : 0  
 Pour Space of material for second layer : 0  
 Material thickness of third layer : 0  
 Pour Space of material for third layer : 0  
**Infiltration On**  
 Infiltration rate : 0.3  
 Infiltration saftey factor : 1  
**Discharge Structure**  
 Riser Height: 2.5 ft.  
 Riser Diameter: 36 in.

**Element Flows To:**  
 Outlet 1                          Outlet 2

---

**Gravel Trench Bed Hydraulic Table**

Stage(ft)	Area(acr)	Volume(acr-ft)	Dschrg(cfs)	Infilt(cfs)
0.000	0.119	0.000	0.000	0.000
0.033	0.119	0.001	0.000	0.036
0.067	0.119	0.003	0.000	0.036
0.100	0.119	0.004	0.000	0.036
0.133	0.119	0.005	0.000	0.036
0.167	0.119	0.007	0.000	0.036
0.200	0.119	0.008	0.000	0.036
0.233	0.119	0.009	0.000	0.036
0.267	0.119	0.011	0.000	0.036
0.300	0.119	0.012	0.000	0.036
0.333	0.119	0.013	0.000	0.036
0.367	0.119	0.014	0.000	0.036
0.400	0.119	0.016	0.000	0.036
0.433	0.119	0.017	0.000	0.036
0.467	0.119	0.018	0.000	0.036
0.500	0.119	0.020	0.000	0.036
0.533	0.119	0.021	0.000	0.036
0.567	0.119	0.022	0.000	0.036
0.600	0.119	0.024	0.000	0.036
0.633	0.119	0.025	0.000	0.036
0.667	0.119	0.026	0.000	0.036
0.700	0.119	0.028	0.000	0.036
0.733	0.119	0.029	0.000	0.036
0.767	0.119	0.030	0.000	0.036
0.800	0.119	0.032	0.000	0.036
0.833	0.119	0.033	0.000	0.036
0.867	0.119	0.034	0.000	0.036
0.900	0.119	0.035	0.000	0.036
0.933	0.119	0.037	0.000	0.036
0.967	0.119	0.038	0.000	0.036
1.000	0.119	0.039	0.000	0.036
1.033	0.119	0.041	0.000	0.036
1.067	0.119	0.042	0.000	0.036
1.100	0.119	0.043	0.000	0.036
1.133	0.119	0.045	0.000	0.036
1.167	0.119	0.046	0.000	0.036

1.200	0.119	0.047	0.000	0.036
1.233	0.119	0.049	0.000	0.036
1.267	0.119	0.050	0.000	0.036
1.300	0.119	0.051	0.000	0.036
1.333	0.119	0.053	0.000	0.036
1.367	0.119	0.054	0.000	0.036
1.400	0.119	0.055	0.000	0.036
1.433	0.119	0.056	0.000	0.036
1.467	0.119	0.058	0.000	0.036
1.500	0.119	0.059	0.000	0.036
1.533	0.119	0.060	0.000	0.036
1.567	0.119	0.062	0.000	0.036
1.600	0.119	0.063	0.000	0.036
1.633	0.119	0.064	0.000	0.036
1.667	0.119	0.066	0.000	0.036
1.700	0.119	0.067	0.000	0.036
1.733	0.119	0.068	0.000	0.036
1.767	0.119	0.070	0.000	0.036
1.800	0.119	0.071	0.000	0.036
1.833	0.119	0.072	0.000	0.036
1.867	0.119	0.074	0.000	0.036
1.900	0.119	0.075	0.000	0.036
1.933	0.119	0.076	0.000	0.036
1.967	0.119	0.077	0.000	0.036
2.000	0.119	0.079	0.000	0.036
2.033	0.119	0.080	0.000	0.036
2.067	0.119	0.081	0.000	0.036
2.100	0.119	0.083	0.000	0.036
2.133	0.119	0.084	0.000	0.036
2.167	0.119	0.085	0.000	0.036
2.200	0.119	0.087	0.000	0.036
2.233	0.119	0.088	0.000	0.036
2.267	0.119	0.089	0.000	0.036
2.300	0.119	0.091	0.000	0.036
2.333	0.119	0.092	0.000	0.036
2.367	0.119	0.093	0.000	0.036
2.400	0.119	0.095	0.000	0.036
2.433	0.119	0.096	0.000	0.036
2.467	0.119	0.097	0.000	0.036
2.500	0.119	0.098	0.000	0.036
2.533	0.119	0.100	0.178	0.036
2.567	0.119	0.101	0.503	0.036
2.600	0.119	0.102	0.924	0.036
2.633	0.119	0.104	1.422	0.036
2.667	0.119	0.105	1.988	0.036
2.700	0.119	0.106	2.613	0.036
2.733	0.119	0.108	3.293	0.036
2.767	0.119	0.109	4.023	0.036
2.800	0.119	0.110	4.801	0.036
2.833	0.119	0.112	5.623	0.036
2.867	0.119	0.113	6.487	0.036
2.900	0.119	0.114	7.391	0.036
2.933	0.119	0.116	8.334	0.036
2.967	0.119	0.117	9.314	0.036
3.000	0.119	0.118	10.33	0.036

---

**Name** : Buffer (6' offset)  
**Bypass:** No

**GroundWater:** No

**Pervious Land Use** **Acres**  
B,Shrub,Flat(0-5%) .483

**Element Flows To:**

<b>Surface</b>	<b>Interflow</b>	<b>Groundwater</b>
Gravel Trench Bed 1,	Gravel Trench Bed 1,	

---

**Name** : PR Inverter Bldgs

**Bypass:** No

**Impervious Land Use** **Acres**  
Roof Area LAT 0.182

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**Element Flows To:**

<b>Outlet 1</b>	<b>Outlet 2</b>
Buffer (6' offset),	

---

**Name** : Buffer (6' offset)

**Bypass:** No

**GroundWater:** No

**Pervious Land Use** **Acres**  
B,Shrub,Flat(0-5%) .121

**Element Flows To:**

<b>Surface</b>	<b>Interflow</b>	<b>Groundwater</b>
Gravel Trench Bed 1,	Gravel Trench Bed 1,	

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**Name** : PR Storage Bldg

**Bypass:** No

**Impervious Land Use** **Acres**  
Roof Area LAT 0.014

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**Element Flows To:**

<b>Outlet 1</b>	<b>Outlet 2</b>
Buffer (6' offset),	

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**Name** : Buffer (6' offset)

**Bypass:** No

**GroundWater:** No

<u>Pervious Land Use</u>	<u>Acres</u>
B,Shrub,Flat(0-5%)	.007

**Element Flows To:**

Surface	Interflow	Groundwater
Gravel Trench Bed 1,	Gravel Trench Bed 1,	

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**MITIGATED LAND USE**

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**ANALYSIS RESULTS**

**Flow Frequency Return Periods for Predeveloped. POC #1**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	0.003835
5 year	0.025253
10 year	0.039757
25 year	3.365245

**Flow Frequency Return Periods for Mitigated. POC #1**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	0.003835
5 year	0.025253
10 year	0.039757
25 year	3.365245

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**Yearly Peaks for Predeveloped and Mitigated. POC #1**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1965	0.022	0.022
1966	0.001	0.001
1967	0.007	0.007
1968	0.000	0.000
1969	0.000	0.000
1970	0.000	0.000
1971	0.000	0.000
1972	0.000	0.000
1973	0.000	0.000
1974	0.000	0.000
1975	0.005	0.005
1976	0.019	0.019
1977	11.552	11.552
1978	0.149	0.149
1979	0.035	0.035
1980	0.029	0.029
1981	0.033	0.033
1982	0.000	0.000
1983	0.018	0.018
1984	0.093	0.093
1985	0.013	0.013
1986	0.003	0.003
1987	0.027	0.027

1988	0.001	0.001
1989	0.006	0.006
1990	0.000	0.000
1991	0.001	0.001
1992	0.005	0.005
1993	0.019	0.019
1994	0.012	0.012
1995	0.001	0.001
1996	0.025	0.025
1997	0.000	0.000
1998	0.002	0.002
1999	0.015	0.015
2000	0.005	0.005
2001	0.000	0.000
2002	0.000	0.000

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**Ranked Yearly Peaks for Predeveloped and Mitigated. POC #1**

Rank	Predeveloped	Mitigated
1	11.5524	11.5524
2	0.1489	0.1489
3	0.0927	0.0927
4	0.0353	0.0353
5	0.0332	0.0332
6	0.0293	0.0293
7	0.0267	0.0267
8	0.0249	0.0249
9	0.0223	0.0223
10	0.0192	0.0192
11	0.0188	0.0188
12	0.0181	0.0181
13	0.0145	0.0145
14	0.0133	0.0133
15	0.0120	0.0120
16	0.0067	0.0067
17	0.0058	0.0058
18	0.0050	0.0050
19	0.0049	0.0049
20	0.0047	0.0047
21	0.0030	0.0030
22	0.0017	0.0017
23	0.0013	0.0013
24	0.0011	0.0011
25	0.0010	0.0010
26	0.0008	0.0008
27	0.0005	0.0005
28	0.0002	0.0002
29	0.0002	0.0002
30	0.0001	0.0001
31	0.0001	0.0001
32	0.0000	0.0000
33	0.0000	0.0000
34	0.0000	0.0000
35	0.0000	0.0000
36	0.0000	0.0000
37	0.0000	0.0000
38	0.0000	0.0000

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**POC #1**  
**The Facility PASSED**

**The Facility PASSED.**

<b>Flow(CFS)</b>	<b>Predev</b>	<b>Dev</b>	<b>Percentage</b>	<b>Pass/Fail</b>
0.0051	1566	1563	99	Pass
0.0054	1498	1492	99	Pass
0.0058	1440	1434	99	Pass
0.0061	1385	1379	99	Pass
0.0065	1333	1329	99	Pass
0.0068	1287	1283	99	Pass
0.0072	1245	1242	99	Pass
0.0075	1205	1198	99	Pass
0.0079	1161	1154	99	Pass
0.0082	1123	1116	99	Pass
0.0086	1085	1083	99	Pass
0.0089	1054	1052	99	Pass
0.0093	1027	1022	99	Pass
0.0096	999	995	99	Pass
0.0100	973	967	99	Pass
0.0103	948	944	99	Pass
0.0107	924	921	99	Pass
0.0110	902	900	99	Pass
0.0114	883	879	99	Pass
0.0117	861	858	99	Pass
0.0121	839	835	99	Pass
0.0124	816	813	99	Pass
0.0128	798	794	99	Pass
0.0131	776	774	99	Pass
0.0135	756	753	99	Pass
0.0138	738	732	99	Pass
0.0142	722	719	99	Pass
0.0145	706	704	99	Pass
0.0149	692	690	99	Pass
0.0152	681	681	100	Pass
0.0156	672	667	99	Pass
0.0159	657	657	100	Pass
0.0163	646	640	99	Pass
0.0166	632	632	100	Pass
0.0170	624	621	99	Pass
0.0173	614	611	99	Pass
0.0177	603	601	99	Pass
0.0180	598	594	99	Pass
0.0184	589	587	99	Pass
0.0187	582	582	100	Pass
0.0191	574	570	99	Pass
0.0194	563	561	99	Pass
0.0198	558	556	99	Pass
0.0201	553	552	99	Pass
0.0205	548	547	99	Pass
0.0208	543	542	99	Pass
0.0212	539	536	99	Pass
0.0215	533	530	99	Pass
0.0219	528	526	99	Pass

0.0222	524	521	99	Pass
0.0226	519	516	99	Pass
0.0229	513	511	99	Pass
0.0233	509	507	99	Pass
0.0236	504	502	99	Pass
0.0240	500	498	99	Pass
0.0243	496	494	99	Pass
0.0247	493	490	99	Pass
0.0250	489	485	99	Pass
0.0254	484	482	99	Pass
0.0257	480	477	99	Pass
0.0261	475	473	99	Pass
0.0264	471	470	99	Pass
0.0268	467	465	99	Pass
0.0271	462	460	99	Pass
0.0275	457	456	99	Pass
0.0278	454	452	99	Pass
0.0282	451	448	99	Pass
0.0285	447	445	99	Pass
0.0289	443	442	99	Pass
0.0292	439	439	100	Pass
0.0296	435	434	99	Pass
0.0299	433	430	99	Pass
0.0303	429	426	99	Pass
0.0306	424	423	99	Pass
0.0310	420	420	100	Pass
0.0313	418	416	99	Pass
0.0317	415	412	99	Pass
0.0320	411	410	99	Pass
0.0324	407	406	99	Pass
0.0327	404	402	99	Pass
0.0331	402	399	99	Pass
0.0334	396	394	99	Pass
0.0338	392	390	99	Pass
0.0341	390	387	99	Pass
0.0345	385	384	99	Pass
0.0348	382	381	99	Pass
0.0352	380	378	99	Pass
0.0356	376	374	99	Pass
0.0359	372	371	99	Pass
0.0363	370	368	99	Pass
0.0366	367	366	99	Pass
0.0370	364	363	99	Pass
0.0373	363	360	99	Pass
0.0377	359	359	100	Pass
0.0380	357	355	99	Pass
0.0384	355	353	99	Pass
0.0387	351	351	100	Pass
0.0391	350	347	99	Pass
0.0394	346	346	100	Pass
0.0398	344	342	99	Pass

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Drawdown Time Results  
Pond: Gravel Trench Bed 1  
Days      Stage(feet) Percent of Total Run Time

1	2.966	0.0000
2	2.966	0.0000
3	2.966	0.0000
4	2.966	0.0000
5	2.966	0.0000

Maximum Stage: 2.208  
 Drawdown Time: 05 00:00:10

Pond: Gravel Trench Bed 1  
 Days Stage(feet) Percent of Total Run Time

1	2.966	0.0000
2	2.966	0.0000
3	2.966	0.0000
4	2.966	0.0000
5	2.966	0.0000

Maximum Stage: 0.937  
 Drawdown Time: 05 00:00:10

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### Perlnd and Implnd Changes

Total of 1422 changes have been made.

Perlnd changes.

Name	Property	Original	Changed
A,Shrub,Flat(0-5%)	.pnum	0	62
A,Shrub,Flat(0-5%)	.name		NBLKS
A,Shrub,Flat(0-5%)	NBLKS	0	1
A,Shrub,Flat(0-5%)	.name		USER
A,Shrub,Flat(0-5%)	USER	0	1
A,Shrub,Flat(0-5%)	.name		IN
A,Shrub,Flat(0-5%)	IN	0	1
A,Shrub,Flat(0-5%)	.name		OUT
A,Shrub,Flat(0-5%)	OUT	0	1
A,Shrub,Flat(0-5%)	.name		ENGL
A,Shrub,Flat(0-5%)	ENGL	0	27
A,Shrub,Flat(0-5%)	.name		METER
A,Shrub,Flat(0-5%)	.name		ATMP
A,Shrub,Flat(0-5%)	.name		SNOW
A,Shrub,Flat(0-5%)	.name		PWAT
A,Shrub,Flat(0-5%)	PWAT	0	1
A,Shrub,Flat(0-5%)	.name		SED
A,Shrub,Flat(0-5%)	.name		PST
A,Shrub,Flat(0-5%)	.name		PWG
A,Shrub,Flat(0-5%)	.name		PQAL
A,Shrub,Flat(0-5%)	.name		MSTL
A,Shrub,Flat(0-5%)	.name		PEST
A,Shrub,Flat(0-5%)	.name		NITR
A,Shrub,Flat(0-5%)	.name		PHOS
A,Shrub,Flat(0-5%)	.name		TRAC
A,Shrub,Flat(0-5%)	.name		ATMP2
A,Shrub,Flat(0-5%)	.name		SNOW2
A,Shrub,Flat(0-5%)	.name		PWAT2
A,Shrub,Flat(0-5%)	PWAT2	0	4
A,Shrub,Flat(0-5%)	.name		SED2
A,Shrub,Flat(0-5%)	.name		PST2
A,Shrub,Flat(0-5%)	.name		PWG2
A,Shrub,Flat(0-5%)	.name		PQAL2
A,Shrub,Flat(0-5%)	.name		MSTL2
A,Shrub,Flat(0-5%)	.name		PEST2

A,Shrub,Flat(0-5%)	.name		NITR2
A,Shrub,Flat(0-5%)	.name		PHOS2
A,Shrub,Flat(0-5%)	.name		TRAC2
A,Shrub,Flat(0-5%)	.name		PVIL
A,Shrub,Flat(0-5%)	PVIL	0	1
A,Shrub,Flat(0-5%)	.name	0	PYR
A,Shrub,Flat(0-5%)	PYR	0	9
A,Shrub,Flat(0-5%)	.name		CSNO
A,Shrub,Flat(0-5%)	.name		RTOP
A,Shrub,Flat(0-5%)	.name		UZFG
A,Shrub,Flat(0-5%)	.name		VCS
A,Shrub,Flat(0-5%)	VCS	0	1
A,Shrub,Flat(0-5%)	.name		VUZ
A,Shrub,Flat(0-5%)	.name		VNN
A,Shrub,Flat(0-5%)	.name		VIFW
A,Shrub,Flat(0-5%)	.name		VIRC
A,Shrub,Flat(0-5%)	.name		VLE
A,Shrub,Flat(0-5%)	VLE	0	1
A,Shrub,Flat(0-5%)	.name		INFC
A,Shrub,Flat(0-5%)	.name		HWT
A,Shrub,Flat(0-5%)	.name		FOREST
A,Shrub,Flat(0-5%)	.name		LZSN
A,Shrub,Flat(0-5%)	LZSN	0	5.2
A,Shrub,Flat(0-5%)	.name		INFILT
A,Shrub,Flat(0-5%)	INFILT	0	0.09
A,Shrub,Flat(0-5%)	.name		LSUR
A,Shrub,Flat(0-5%)	LSUR	0	400
A,Shrub,Flat(0-5%)	.name		SLSUR
A,Shrub,Flat(0-5%)	SLSUR	0	0.05
A,Shrub,Flat(0-5%)	.name		KVARY
A,Shrub,Flat(0-5%)	KVARY	0	0.8
A,Shrub,Flat(0-5%)	.name		AGWRC
A,Shrub,Flat(0-5%)	AGWRC	0	0.955
A,Shrub,Flat(0-5%)	.name		PETMAX
A,Shrub,Flat(0-5%)	PETMAX	0	40
A,Shrub,Flat(0-5%)	.name		PETMIN
A,Shrub,Flat(0-5%)	PETMIN	0	35
A,Shrub,Flat(0-5%)	.name		INFEXP
A,Shrub,Flat(0-5%)	INFEXP	0	2
A,Shrub,Flat(0-5%)	.name		INFILD
A,Shrub,Flat(0-5%)	INFILD	0	2
A,Shrub,Flat(0-5%)	.name		DEEPFR
A,Shrub,Flat(0-5%)	.name		BASETP
A,Shrub,Flat(0-5%)	.name		AGWETP
A,Shrub,Flat(0-5%)	.name		CEPSC
A,Shrub,Flat(0-5%)	.name		UZSN
A,Shrub,Flat(0-5%)	UZSN	0	0.9
A,Shrub,Flat(0-5%)	.name		NSUR
A,Shrub,Flat(0-5%)	NSUR	0	0.3
A,Shrub,Flat(0-5%)	.name		INTFW
A,Shrub,Flat(0-5%)	INTFW	0	4
A,Shrub,Flat(0-5%)	.name		IRC
A,Shrub,Flat(0-5%)	IRC	0	0.7
A,Shrub,Flat(0-5%)	.name		LZETP
A,Shrub,Flat(0-5%)	.name		MELEV
A,Shrub,Flat(0-5%)	MELEV	0	400
A,Shrub,Flat(0-5%)	.name		BELV

A,Shrub,Flat(0-5%)	.name		GWDATM
A,Shrub,Flat(0-5%)	.name		PCW
A,Shrub,Flat(0-5%)	PCW	0	0.33
A,Shrub,Flat(0-5%)	.name		PGW
A,Shrub,Flat(0-5%)	PGW	0	0.35
A,Shrub,Flat(0-5%)	.name		UPGW
A,Shrub,Flat(0-5%)	UPGW	0	0.42
A,Shrub,Flat(0-5%)	.name		STABNO
A,Shrub,Flat(0-5%)	STABNO	0	1
A,Shrub,Flat(0-5%)	.name		SRRC
A,Shrub,Flat(0-5%)	SRRC	0	0.1
A,Shrub,Flat(0-5%)	.name		SREXP
A,Shrub,Flat(0-5%)	.name		IFWSC
A,Shrub,Flat(0-5%)	IFWSC	0	4
A,Shrub,Flat(0-5%)	.name		DELTA
A,Shrub,Flat(0-5%)	DELTA	0	0.2
A,Shrub,Flat(0-5%)	.name		UELFACT
A,Shrub,Flat(0-5%)	UELFACT	0	4
A,Shrub,Flat(0-5%)	.name		LELFAC
A,Shrub,Flat(0-5%)	LELFAC	0	2.5
A,Shrub,Flat(0-5%)	.name		CEPS
A,Shrub,Flat(0-5%)	.name		SURS
A,Shrub,Flat(0-5%)	.name		UZS
A,Shrub,Flat(0-5%)	UZS	0	0.01
A,Shrub,Flat(0-5%)	.name		IFWS
A,Shrub,Flat(0-5%)	.name		LZS
A,Shrub,Flat(0-5%)	LZS	0	0.5
A,Shrub,Flat(0-5%)	.name		AGWS
A,Shrub,Flat(0-5%)	AGWS	0	0.3
A,Shrub,Flat(0-5%)	.name		GWVS
A,Shrub,Flat(0-5%)	GWVS	0	0.01
A,Shrub,Flat(0-5%)	.name		JAN
A,Shrub,Flat(0-5%)	JAN	0	0.5
A,Shrub,Flat(0-5%)	.name		FEB
A,Shrub,Flat(0-5%)	FEB	0	0.5
A,Shrub,Flat(0-5%)	.name		MAR
A,Shrub,Flat(0-5%)	MAR	0	0.5
A,Shrub,Flat(0-5%)	.name		APR
A,Shrub,Flat(0-5%)	APR	0	0.6
A,Shrub,Flat(0-5%)	.name		MAY
A,Shrub,Flat(0-5%)	MAY	0	0.65
A,Shrub,Flat(0-5%)	.name		JUNE
A,Shrub,Flat(0-5%)	JUNE	0	0.65
A,Shrub,Flat(0-5%)	.name		JULY
A,Shrub,Flat(0-5%)	JULY	0	0.65
A,Shrub,Flat(0-5%)	.name		AUG
A,Shrub,Flat(0-5%)	AUG	0	0.65
A,Shrub,Flat(0-5%)	.name		SEPT
A,Shrub,Flat(0-5%)	SEPT	0	0.65
A,Shrub,Flat(0-5%)	.name		OCT
A,Shrub,Flat(0-5%)	OCT	0	0.65
A,Shrub,Flat(0-5%)	.name		NOV
A,Shrub,Flat(0-5%)	NOV	0	0.55
A,Shrub,Flat(0-5%)	.name		DEC
A,Shrub,Flat(0-5%)	DEC	0	0.5
A,Shrub,Flat(0-5%)	.name		JAN
A,Shrub,Flat(0-5%)	JAN	0	0.13

A,Shrub,Flat(0-5%)	.name		FEB
A,Shrub,Flat(0-5%)	FEB	0	0.13
A,Shrub,Flat(0-5%)	.name		MAR
A,Shrub,Flat(0-5%)	MAR	0	0.13
A,Shrub,Flat(0-5%)	.name		APR
A,Shrub,Flat(0-5%)	APR	0	0.14
A,Shrub,Flat(0-5%)	.name		MAY
A,Shrub,Flat(0-5%)	MAY	0	0.15
A,Shrub,Flat(0-5%)	.name		JUNE
A,Shrub,Flat(0-5%)	JUNE	0	0.15
A,Shrub,Flat(0-5%)	.name		JULY
A,Shrub,Flat(0-5%)	JULY	0	0.15
A,Shrub,Flat(0-5%)	.name		AUG
A,Shrub,Flat(0-5%)	AUG	0	0.15
A,Shrub,Flat(0-5%)	.name		SEPT
A,Shrub,Flat(0-5%)	SEPT	0	0.15
A,Shrub,Flat(0-5%)	.name		OCT
A,Shrub,Flat(0-5%)	OCT	0	0.15
A,Shrub,Flat(0-5%)	.name		NOV
A,Shrub,Flat(0-5%)	NOV	0	0.14
A,Shrub,Flat(0-5%)	.name		DEC
A,Shrub,Flat(0-5%)	DEC	0	0.13
B,Shrub,Flat(0-5%)	.pnum	0	63
B,Shrub,Flat(0-5%)	.name		NBLKS
B,Shrub,Flat(0-5%)	NBLKS	0	1
B,Shrub,Flat(0-5%)	.name		USER
B,Shrub,Flat(0-5%)	USER	0	1
B,Shrub,Flat(0-5%)	.name		IN
B,Shrub,Flat(0-5%)	IN	0	1
B,Shrub,Flat(0-5%)	.name		OUT
B,Shrub,Flat(0-5%)	OUT	0	1
B,Shrub,Flat(0-5%)	.name		ENGL
B,Shrub,Flat(0-5%)	ENGL	0	27
B,Shrub,Flat(0-5%)	.name		METER
B,Shrub,Flat(0-5%)	.name		ATMP
B,Shrub,Flat(0-5%)	.name		SNOW
B,Shrub,Flat(0-5%)	.name		PWAT
B,Shrub,Flat(0-5%)	PWAT	0	1
B,Shrub,Flat(0-5%)	.name		SED
B,Shrub,Flat(0-5%)	.name		PST
B,Shrub,Flat(0-5%)	.name		PWG
B,Shrub,Flat(0-5%)	.name		PQAL
B,Shrub,Flat(0-5%)	.name		MSTL
B,Shrub,Flat(0-5%)	.name		PEST
B,Shrub,Flat(0-5%)	.name		NITR
B,Shrub,Flat(0-5%)	.name		PHOS
B,Shrub,Flat(0-5%)	.name		TRAC
B,Shrub,Flat(0-5%)	.name		ATMP2
B,Shrub,Flat(0-5%)	.name		SNOW2
B,Shrub,Flat(0-5%)	.name		PWAT2
B,Shrub,Flat(0-5%)	PWAT2	0	4
B,Shrub,Flat(0-5%)	.name		SED2
B,Shrub,Flat(0-5%)	.name		PST2
B,Shrub,Flat(0-5%)	.name		PWG2
B,Shrub,Flat(0-5%)	.name		PQAL2
B,Shrub,Flat(0-5%)	.name		MSTL2
B,Shrub,Flat(0-5%)	.name		PEST2

B,Shrub,Flat(0-5%)	.name		NITR2
B,Shrub,Flat(0-5%)	.name		PHOS2
B,Shrub,Flat(0-5%)	.name		TRAC2
B,Shrub,Flat(0-5%)	.name		PVIL
B,Shrub,Flat(0-5%)	PVIL	0	1
B,Shrub,Flat(0-5%)	.name		PYR
B,Shrub,Flat(0-5%)	PYR	0	9
B,Shrub,Flat(0-5%)	.name		CSNO
B,Shrub,Flat(0-5%)	.name		RTOP
B,Shrub,Flat(0-5%)	.name		UZFG
B,Shrub,Flat(0-5%)	.name		VCS
B,Shrub,Flat(0-5%)	VCS	0	1
B,Shrub,Flat(0-5%)	.name		VUZ
B,Shrub,Flat(0-5%)	.name		VNN
B,Shrub,Flat(0-5%)	.name		VIFW
B,Shrub,Flat(0-5%)	.name		VIRC
B,Shrub,Flat(0-5%)	.name		VLE
B,Shrub,Flat(0-5%)	VLE	0	1
B,Shrub,Flat(0-5%)	.name		INFC
B,Shrub,Flat(0-5%)	.name		HWT
B,Shrub,Flat(0-5%)	.name		FOREST
B,Shrub,Flat(0-5%)	.name		LZSN
B,Shrub,Flat(0-5%)	LZSN	0	5
B,Shrub,Flat(0-5%)	.name		INFILT
B,Shrub,Flat(0-5%)	INFILT	0	0.07
B,Shrub,Flat(0-5%)	.name		LSUR
B,Shrub,Flat(0-5%)	LSUR	0	400
B,Shrub,Flat(0-5%)	.name		SLSUR
B,Shrub,Flat(0-5%)	SLSUR	0	0.05
B,Shrub,Flat(0-5%)	.name		KVARY
B,Shrub,Flat(0-5%)	KVARY	0	1.2
B,Shrub,Flat(0-5%)	.name		AGWRC
B,Shrub,Flat(0-5%)	AGWRC	0	0.95
B,Shrub,Flat(0-5%)	.name		PETMAX
B,Shrub,Flat(0-5%)	PETMAX	0	40
B,Shrub,Flat(0-5%)	.name		PETMIN
B,Shrub,Flat(0-5%)	PETMIN	0	35
B,Shrub,Flat(0-5%)	.name		INFEXP
B,Shrub,Flat(0-5%)	INFEXP	0	2
B,Shrub,Flat(0-5%)	.name		INFILD
B,Shrub,Flat(0-5%)	INFILD	0	2
B,Shrub,Flat(0-5%)	.name		DEEPFR
B,Shrub,Flat(0-5%)	.name		BASETP
B,Shrub,Flat(0-5%)	.name		AGWETP
B,Shrub,Flat(0-5%)	.name		CEPSC
B,Shrub,Flat(0-5%)	.name		UZSN
B,Shrub,Flat(0-5%)	UZSN	0	0.9
B,Shrub,Flat(0-5%)	.name		NSUR
B,Shrub,Flat(0-5%)	NSUR	0	0.3
B,Shrub,Flat(0-5%)	.name		INTFW
B,Shrub,Flat(0-5%)	INTFW	0	3
B,Shrub,Flat(0-5%)	.name		IRC
B,Shrub,Flat(0-5%)	IRC	0	0.7
B,Shrub,Flat(0-5%)	.name		LZETP
B,Shrub,Flat(0-5%)	.name		MELEV
B,Shrub,Flat(0-5%)	MELEV	0	400
B,Shrub,Flat(0-5%)	.name		BELV

B,Shrub,Flat(0-5%)	.name		GWDATM
B,Shrub,Flat(0-5%)	.name		PCW
B,Shrub,Flat(0-5%)	PCW	0	0.28
B,Shrub,Flat(0-5%)	.name		PGW
B,Shrub,Flat(0-5%)	PGW	0	0.3
B,Shrub,Flat(0-5%)	.name		UPGW
B,Shrub,Flat(0-5%)	UPGW	0	0.37
B,Shrub,Flat(0-5%)	.name		STABNO
B,Shrub,Flat(0-5%)	STABNO	0	1
B,Shrub,Flat(0-5%)	.name		SRRC
B,Shrub,Flat(0-5%)	SRRC	0	0.1
B,Shrub,Flat(0-5%)	.name		SREXP
B,Shrub,Flat(0-5%)	.name		IFWSC
B,Shrub,Flat(0-5%)	IFWSC	0	4
B,Shrub,Flat(0-5%)	.name		DELTA
B,Shrub,Flat(0-5%)	DELTA	0	0.2
B,Shrub,Flat(0-5%)	.name		UELFACT
B,Shrub,Flat(0-5%)	UELFACT	0	4
B,Shrub,Flat(0-5%)	.name		LELFAC
B,Shrub,Flat(0-5%)	LELFAC	0	2.5
B,Shrub,Flat(0-5%)	.name		CEPS
B,Shrub,Flat(0-5%)	.name		SURS
B,Shrub,Flat(0-5%)	.name		UZS
B,Shrub,Flat(0-5%)	UZS	0	0.01
B,Shrub,Flat(0-5%)	.name		IFWS
B,Shrub,Flat(0-5%)	.name		LZS
B,Shrub,Flat(0-5%)	LZS	0	0.5
B,Shrub,Flat(0-5%)	.name		AGWS
B,Shrub,Flat(0-5%)	AGWS	0	0.3
B,Shrub,Flat(0-5%)	.name		GWVS
B,Shrub,Flat(0-5%)	GWVS	0	0.01
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.5
B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.5
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.5
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.6
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.65
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.65
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.65
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.65
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.65
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.65
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.55
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.5
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.13

B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.13
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.13
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.14
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.15
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.15
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.15
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.15
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.15
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.15
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.14
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.13
A,Shrub,Flat(0-5%)	.pnum	0	64
A,Shrub,Flat(0-5%)	.name		NBLKS
A,Shrub,Flat(0-5%)	NBLKS	0	1
A,Shrub,Flat(0-5%)	.name		USER
A,Shrub,Flat(0-5%)	USER	0	1
A,Shrub,Flat(0-5%)	.name		IN
A,Shrub,Flat(0-5%)	IN	0	1
A,Shrub,Flat(0-5%)	.name		OUT
A,Shrub,Flat(0-5%)	OUT	0	1
A,Shrub,Flat(0-5%)	.name		ENGL
A,Shrub,Flat(0-5%)	ENGL	0	27
A,Shrub,Flat(0-5%)	.name		METER
A,Shrub,Flat(0-5%)	.name		ATMP
A,Shrub,Flat(0-5%)	.name		SNOW
A,Shrub,Flat(0-5%)	.name		PWAT
A,Shrub,Flat(0-5%)	PWAT	0	1
A,Shrub,Flat(0-5%)	.name		SED
A,Shrub,Flat(0-5%)	.name		PST
A,Shrub,Flat(0-5%)	.name		PWG
A,Shrub,Flat(0-5%)	.name		PQAL
A,Shrub,Flat(0-5%)	.name		MSTL
A,Shrub,Flat(0-5%)	.name		PEST
A,Shrub,Flat(0-5%)	.name		NITR
A,Shrub,Flat(0-5%)	.name		PHOS
A,Shrub,Flat(0-5%)	.name		TRAC
A,Shrub,Flat(0-5%)	.name		ATMP2
A,Shrub,Flat(0-5%)	.name		SNOW2
A,Shrub,Flat(0-5%)	.name		PWAT2
A,Shrub,Flat(0-5%)	PWAT2	0	4
A,Shrub,Flat(0-5%)	.name		SED2
A,Shrub,Flat(0-5%)	.name		PST2
A,Shrub,Flat(0-5%)	.name		PWG2
A,Shrub,Flat(0-5%)	.name		PQAL2
A,Shrub,Flat(0-5%)	.name		MSTL2
A,Shrub,Flat(0-5%)	.name		PEST2

A,Shrub,Flat(0-5%)	.name		NITR2
A,Shrub,Flat(0-5%)	.name		PHOS2
A,Shrub,Flat(0-5%)	.name		TRAC2
A,Shrub,Flat(0-5%)	.name		PVIL
A,Shrub,Flat(0-5%)	PVIL	0	1
A,Shrub,Flat(0-5%)	.name	0	PYR
A,Shrub,Flat(0-5%)	PYR	0	9
A,Shrub,Flat(0-5%)	.name		CSNO
A,Shrub,Flat(0-5%)	.name		RTOP
A,Shrub,Flat(0-5%)	.name		UZFG
A,Shrub,Flat(0-5%)	.name		VCS
A,Shrub,Flat(0-5%)	VCS	0	1
A,Shrub,Flat(0-5%)	.name		VUZ
A,Shrub,Flat(0-5%)	.name		VNN
A,Shrub,Flat(0-5%)	.name		VIFW
A,Shrub,Flat(0-5%)	.name		VIRC
A,Shrub,Flat(0-5%)	.name		VLE
A,Shrub,Flat(0-5%)	VLE	0	1
A,Shrub,Flat(0-5%)	.name		INFC
A,Shrub,Flat(0-5%)	.name		HWT
A,Shrub,Flat(0-5%)	.name		FOREST
A,Shrub,Flat(0-5%)	.name		LZSN
A,Shrub,Flat(0-5%)	LZSN	0	5.2
A,Shrub,Flat(0-5%)	.name		INFILT
A,Shrub,Flat(0-5%)	INFILT	0	0.09
A,Shrub,Flat(0-5%)	.name		LSUR
A,Shrub,Flat(0-5%)	LSUR	0	400
A,Shrub,Flat(0-5%)	.name		SLSUR
A,Shrub,Flat(0-5%)	SLSUR	0	0.05
A,Shrub,Flat(0-5%)	.name		KVARY
A,Shrub,Flat(0-5%)	KVARY	0	0.8
A,Shrub,Flat(0-5%)	.name		AGWRC
A,Shrub,Flat(0-5%)	AGWRC	0	0.955
A,Shrub,Flat(0-5%)	.name		PETMAX
A,Shrub,Flat(0-5%)	PETMAX	0	40
A,Shrub,Flat(0-5%)	.name		PETMIN
A,Shrub,Flat(0-5%)	PETMIN	0	35
A,Shrub,Flat(0-5%)	.name		INFEXP
A,Shrub,Flat(0-5%)	INFEXP	0	2
A,Shrub,Flat(0-5%)	.name		INFILD
A,Shrub,Flat(0-5%)	INFILD	0	2
A,Shrub,Flat(0-5%)	.name		DEEPFR
A,Shrub,Flat(0-5%)	.name		BASETP
A,Shrub,Flat(0-5%)	.name		AGWETP
A,Shrub,Flat(0-5%)	.name		CEPSC
A,Shrub,Flat(0-5%)	.name		UZSN
A,Shrub,Flat(0-5%)	UZSN	0	0.9
A,Shrub,Flat(0-5%)	.name		NSUR
A,Shrub,Flat(0-5%)	NSUR	0	0.3
A,Shrub,Flat(0-5%)	.name		INTFW
A,Shrub,Flat(0-5%)	INTFW	0	4
A,Shrub,Flat(0-5%)	.name		IRC
A,Shrub,Flat(0-5%)	IRC	0	0.7
A,Shrub,Flat(0-5%)	.name		LZETP
A,Shrub,Flat(0-5%)	.name		MELEV
A,Shrub,Flat(0-5%)	MELEV	0	400
A,Shrub,Flat(0-5%)	.name		BELV

A,Shrub,Flat(0-5%)	.name		GWDATM
A,Shrub,Flat(0-5%)	.name		PCW
A,Shrub,Flat(0-5%)	PCW	0	0.33
A,Shrub,Flat(0-5%)	.name		PGW
A,Shrub,Flat(0-5%)	PGW	0	0.35
A,Shrub,Flat(0-5%)	.name		UPGW
A,Shrub,Flat(0-5%)	UPGW	0	0.42
A,Shrub,Flat(0-5%)	.name		STABNO
A,Shrub,Flat(0-5%)	STABNO	0	1
A,Shrub,Flat(0-5%)	.name		SRRC
A,Shrub,Flat(0-5%)	SRRC	0	0.1
A,Shrub,Flat(0-5%)	.name		SREXP
A,Shrub,Flat(0-5%)	.name		IFWSC
A,Shrub,Flat(0-5%)	IFWSC	0	4
A,Shrub,Flat(0-5%)	.name		DELTA
A,Shrub,Flat(0-5%)	DELTA	0	0.2
A,Shrub,Flat(0-5%)	.name		UELFACT
A,Shrub,Flat(0-5%)	UELFACT	0	4
A,Shrub,Flat(0-5%)	.name		LELFAC
A,Shrub,Flat(0-5%)	LELFAC	0	2.5
A,Shrub,Flat(0-5%)	.name		CEPS
A,Shrub,Flat(0-5%)	.name		SURS
A,Shrub,Flat(0-5%)	.name		UZS
A,Shrub,Flat(0-5%)	UZS	0	0.01
A,Shrub,Flat(0-5%)	.name		IFWS
A,Shrub,Flat(0-5%)	.name		LZS
A,Shrub,Flat(0-5%)	LZS	0	0.5
A,Shrub,Flat(0-5%)	.name		AGWS
A,Shrub,Flat(0-5%)	AGWS	0	0.3
A,Shrub,Flat(0-5%)	.name		GWVS
A,Shrub,Flat(0-5%)	GWVS	0	0.01
A,Shrub,Flat(0-5%)	.name		JAN
A,Shrub,Flat(0-5%)	JAN	0	0.5
A,Shrub,Flat(0-5%)	.name		FEB
A,Shrub,Flat(0-5%)	FEB	0	0.5
A,Shrub,Flat(0-5%)	.name		MAR
A,Shrub,Flat(0-5%)	MAR	0	0.5
A,Shrub,Flat(0-5%)	.name		APR
A,Shrub,Flat(0-5%)	APR	0	0.6
A,Shrub,Flat(0-5%)	.name		MAY
A,Shrub,Flat(0-5%)	MAY	0	0.65
A,Shrub,Flat(0-5%)	.name		JUNE
A,Shrub,Flat(0-5%)	JUNE	0	0.65
A,Shrub,Flat(0-5%)	.name		JULY
A,Shrub,Flat(0-5%)	JULY	0	0.65
A,Shrub,Flat(0-5%)	.name		AUG
A,Shrub,Flat(0-5%)	AUG	0	0.65
A,Shrub,Flat(0-5%)	.name		SEPT
A,Shrub,Flat(0-5%)	SEPT	0	0.65
A,Shrub,Flat(0-5%)	.name		OCT
A,Shrub,Flat(0-5%)	OCT	0	0.65
A,Shrub,Flat(0-5%)	.name		NOV
A,Shrub,Flat(0-5%)	NOV	0	0.55
A,Shrub,Flat(0-5%)	.name		DEC
A,Shrub,Flat(0-5%)	DEC	0	0.5
A,Shrub,Flat(0-5%)	.name		JAN
A,Shrub,Flat(0-5%)	JAN	0	0.13

A,Shrub,Flat(0-5%)	.name		FEB
A,Shrub,Flat(0-5%)	FEB	0	0.13
A,Shrub,Flat(0-5%)	.name		MAR
A,Shrub,Flat(0-5%)	MAR	0	0.13
A,Shrub,Flat(0-5%)	.name		APR
A,Shrub,Flat(0-5%)	APR	0	0.14
A,Shrub,Flat(0-5%)	.name		MAY
A,Shrub,Flat(0-5%)	MAY	0	0.15
A,Shrub,Flat(0-5%)	.name		JUNE
A,Shrub,Flat(0-5%)	JUNE	0	0.15
A,Shrub,Flat(0-5%)	.name		JULY
A,Shrub,Flat(0-5%)	JULY	0	0.15
A,Shrub,Flat(0-5%)	.name		AUG
A,Shrub,Flat(0-5%)	AUG	0	0.15
A,Shrub,Flat(0-5%)	.name		SEPT
A,Shrub,Flat(0-5%)	SEPT	0	0.15
A,Shrub,Flat(0-5%)	.name		OCT
A,Shrub,Flat(0-5%)	OCT	0	0.15
A,Shrub,Flat(0-5%)	.name		NOV
A,Shrub,Flat(0-5%)	NOV	0	0.14
A,Shrub,Flat(0-5%)	.name		DEC
A,Shrub,Flat(0-5%)	DEC	0	0.13
B,Shrub,Flat(0-5%)	.pnum	0	65
B,Shrub,Flat(0-5%)	.name		NBLKS
B,Shrub,Flat(0-5%)	NBLKS	0	1
B,Shrub,Flat(0-5%)	.name		USER
B,Shrub,Flat(0-5%)	USER	0	1
B,Shrub,Flat(0-5%)	.name		IN
B,Shrub,Flat(0-5%)	IN	0	1
B,Shrub,Flat(0-5%)	.name		OUT
B,Shrub,Flat(0-5%)	OUT	0	1
B,Shrub,Flat(0-5%)	.name		ENGL
B,Shrub,Flat(0-5%)	ENGL	0	27
B,Shrub,Flat(0-5%)	.name		METER
B,Shrub,Flat(0-5%)	.name		ATMP
B,Shrub,Flat(0-5%)	.name		SNOW
B,Shrub,Flat(0-5%)	.name		PWAT
B,Shrub,Flat(0-5%)	PWAT	0	1
B,Shrub,Flat(0-5%)	.name		SED
B,Shrub,Flat(0-5%)	.name		PST
B,Shrub,Flat(0-5%)	.name		PWG
B,Shrub,Flat(0-5%)	.name		PQAL
B,Shrub,Flat(0-5%)	.name		MSTL
B,Shrub,Flat(0-5%)	.name		PEST
B,Shrub,Flat(0-5%)	.name		NITR
B,Shrub,Flat(0-5%)	.name		PHOS
B,Shrub,Flat(0-5%)	.name		TRAC
B,Shrub,Flat(0-5%)	.name		ATMP2
B,Shrub,Flat(0-5%)	.name		SNOW2
B,Shrub,Flat(0-5%)	.name		PWAT2
B,Shrub,Flat(0-5%)	PWAT2	0	4
B,Shrub,Flat(0-5%)	.name		SED2
B,Shrub,Flat(0-5%)	.name		PST2
B,Shrub,Flat(0-5%)	.name		PWG2
B,Shrub,Flat(0-5%)	.name		PQAL2
B,Shrub,Flat(0-5%)	.name		MSTL2
B,Shrub,Flat(0-5%)	.name		PEST2

B,Shrub,Flat(0-5%)	.name		NITR2
B,Shrub,Flat(0-5%)	.name		PHOS2
B,Shrub,Flat(0-5%)	.name		TRAC2
B,Shrub,Flat(0-5%)	.name		PVIL
B,Shrub,Flat(0-5%)	PVIL	0	1
B,Shrub,Flat(0-5%)	.name		PYR
B,Shrub,Flat(0-5%)	PYR	0	9
B,Shrub,Flat(0-5%)	.name		CSNO
B,Shrub,Flat(0-5%)	.name		RTOP
B,Shrub,Flat(0-5%)	.name		UZFG
B,Shrub,Flat(0-5%)	.name		VCS
B,Shrub,Flat(0-5%)	VCS	0	1
B,Shrub,Flat(0-5%)	.name		VUZ
B,Shrub,Flat(0-5%)	.name		VNN
B,Shrub,Flat(0-5%)	.name		VIFW
B,Shrub,Flat(0-5%)	.name		VIRC
B,Shrub,Flat(0-5%)	.name		VLE
B,Shrub,Flat(0-5%)	VLE	0	1
B,Shrub,Flat(0-5%)	.name		INFC
B,Shrub,Flat(0-5%)	.name		HWT
B,Shrub,Flat(0-5%)	.name		FOREST
B,Shrub,Flat(0-5%)	.name		LZSN
B,Shrub,Flat(0-5%)	LZSN	0	5
B,Shrub,Flat(0-5%)	.name		INFILT
B,Shrub,Flat(0-5%)	INFILT	0	0.07
B,Shrub,Flat(0-5%)	.name		LSUR
B,Shrub,Flat(0-5%)	LSUR	0	400
B,Shrub,Flat(0-5%)	.name		SLSUR
B,Shrub,Flat(0-5%)	SLSUR	0	0.05
B,Shrub,Flat(0-5%)	.name		KVARY
B,Shrub,Flat(0-5%)	KVARY	0	1.2
B,Shrub,Flat(0-5%)	.name		AGWRC
B,Shrub,Flat(0-5%)	AGWRC	0	0.95
B,Shrub,Flat(0-5%)	.name		PETMAX
B,Shrub,Flat(0-5%)	PETMAX	0	40
B,Shrub,Flat(0-5%)	.name		PETMIN
B,Shrub,Flat(0-5%)	PETMIN	0	35
B,Shrub,Flat(0-5%)	.name		INFEXP
B,Shrub,Flat(0-5%)	INFEXP	0	2
B,Shrub,Flat(0-5%)	.name		INFILD
B,Shrub,Flat(0-5%)	INFILD	0	2
B,Shrub,Flat(0-5%)	.name		DEEPFR
B,Shrub,Flat(0-5%)	.name		BASETP
B,Shrub,Flat(0-5%)	.name		AGWETP
B,Shrub,Flat(0-5%)	.name		CEPSC
B,Shrub,Flat(0-5%)	.name		UZSN
B,Shrub,Flat(0-5%)	UZSN	0	0.9
B,Shrub,Flat(0-5%)	.name		NSUR
B,Shrub,Flat(0-5%)	NSUR	0	0.3
B,Shrub,Flat(0-5%)	.name		INTFW
B,Shrub,Flat(0-5%)	INTFW	0	3
B,Shrub,Flat(0-5%)	.name		IRC
B,Shrub,Flat(0-5%)	IRC	0	0.7
B,Shrub,Flat(0-5%)	.name		LZETP
B,Shrub,Flat(0-5%)	.name		MELEV
B,Shrub,Flat(0-5%)	MELEV	0	400
B,Shrub,Flat(0-5%)	.name		BELV

B,Shrub,Flat(0-5%)	.name		GWDATM
B,Shrub,Flat(0-5%)	.name		PCW
B,Shrub,Flat(0-5%)	PCW	0	0.28
B,Shrub,Flat(0-5%)	.name		PGW
B,Shrub,Flat(0-5%)	PGW	0	0.3
B,Shrub,Flat(0-5%)	.name		UPGW
B,Shrub,Flat(0-5%)	UPGW	0	0.37
B,Shrub,Flat(0-5%)	.name		STABNO
B,Shrub,Flat(0-5%)	STABNO	0	1
B,Shrub,Flat(0-5%)	.name		SRRC
B,Shrub,Flat(0-5%)	SRRC	0	0.1
B,Shrub,Flat(0-5%)	.name		SREXP
B,Shrub,Flat(0-5%)	.name		IFWSC
B,Shrub,Flat(0-5%)	IFWSC	0	4
B,Shrub,Flat(0-5%)	.name		DELTA
B,Shrub,Flat(0-5%)	DELTA	0	0.2
B,Shrub,Flat(0-5%)	.name		UELFACT
B,Shrub,Flat(0-5%)	UELFACT	0	4
B,Shrub,Flat(0-5%)	.name		LELFAC
B,Shrub,Flat(0-5%)	LELFAC	0	2.5
B,Shrub,Flat(0-5%)	.name		CEPS
B,Shrub,Flat(0-5%)	.name		SURS
B,Shrub,Flat(0-5%)	.name		UZS
B,Shrub,Flat(0-5%)	UZS	0	0.01
B,Shrub,Flat(0-5%)	.name		IFWS
B,Shrub,Flat(0-5%)	.name		LZS
B,Shrub,Flat(0-5%)	LZS	0	0.5
B,Shrub,Flat(0-5%)	.name		AGWS
B,Shrub,Flat(0-5%)	AGWS	0	0.3
B,Shrub,Flat(0-5%)	.name		GWVS
B,Shrub,Flat(0-5%)	GWVS	0	0.01
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.5
B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.5
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.5
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.6
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.65
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.65
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.65
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.65
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.65
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.65
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.55
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.5
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.13

B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.13
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.13
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.14
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.15
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.15
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.15
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.15
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.15
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.15
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.14
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.13
B,Shrub,Flat(0-5%)	.pnum	0	66
B,Shrub,Flat(0-5%)	.name		NBLKS
B,Shrub,Flat(0-5%)	NBLKS	0	1
B,Shrub,Flat(0-5%)	.name		USER
B,Shrub,Flat(0-5%)	USER	0	1
B,Shrub,Flat(0-5%)	.name		IN
B,Shrub,Flat(0-5%)	IN	0	1
B,Shrub,Flat(0-5%)	.name		OUT
B,Shrub,Flat(0-5%)	OUT	0	1
B,Shrub,Flat(0-5%)	.name		ENGL
B,Shrub,Flat(0-5%)	ENGL	0	27
B,Shrub,Flat(0-5%)	.name		METER
B,Shrub,Flat(0-5%)	.name		ATMP
B,Shrub,Flat(0-5%)	.name		SNOW
B,Shrub,Flat(0-5%)	.name		PWAT
B,Shrub,Flat(0-5%)	PWAT	0	1
B,Shrub,Flat(0-5%)	.name		SED
B,Shrub,Flat(0-5%)	.name		PST
B,Shrub,Flat(0-5%)	.name		PWG
B,Shrub,Flat(0-5%)	.name		PQAL
B,Shrub,Flat(0-5%)	.name		MSTL
B,Shrub,Flat(0-5%)	.name		PEST
B,Shrub,Flat(0-5%)	.name		NITR
B,Shrub,Flat(0-5%)	.name		PHOS
B,Shrub,Flat(0-5%)	.name		TRAC
B,Shrub,Flat(0-5%)	.name		ATMP2
B,Shrub,Flat(0-5%)	.name		SNOW2
B,Shrub,Flat(0-5%)	.name		PWAT2
B,Shrub,Flat(0-5%)	PWAT2	0	4
B,Shrub,Flat(0-5%)	.name		SED2
B,Shrub,Flat(0-5%)	.name		PST2
B,Shrub,Flat(0-5%)	.name		PWG2
B,Shrub,Flat(0-5%)	.name		PQAL2
B,Shrub,Flat(0-5%)	.name		MSTL2
B,Shrub,Flat(0-5%)	.name		PEST2

B,Shrub,Flat(0-5%)	.name		NITR2
B,Shrub,Flat(0-5%)	.name		PHOS2
B,Shrub,Flat(0-5%)	.name		TRAC2
B,Shrub,Flat(0-5%)	.name		PVIL
B,Shrub,Flat(0-5%)	PVIL	0	1
B,Shrub,Flat(0-5%)	.name		PYR
B,Shrub,Flat(0-5%)	PYR	0	9
B,Shrub,Flat(0-5%)	.name		CSNO
B,Shrub,Flat(0-5%)	.name		RTOP
B,Shrub,Flat(0-5%)	.name		UZFG
B,Shrub,Flat(0-5%)	.name		VCS
B,Shrub,Flat(0-5%)	VCS	0	1
B,Shrub,Flat(0-5%)	.name		VUZ
B,Shrub,Flat(0-5%)	.name		VNN
B,Shrub,Flat(0-5%)	.name		VIFW
B,Shrub,Flat(0-5%)	.name		VIRC
B,Shrub,Flat(0-5%)	.name		VLE
B,Shrub,Flat(0-5%)	VLE	0	1
B,Shrub,Flat(0-5%)	.name		INFC
B,Shrub,Flat(0-5%)	.name		HWT
B,Shrub,Flat(0-5%)	.name		FOREST
B,Shrub,Flat(0-5%)	.name		LZSN
B,Shrub,Flat(0-5%)	LZSN	0	5
B,Shrub,Flat(0-5%)	.name		INFILT
B,Shrub,Flat(0-5%)	INFILT	0	0.07
B,Shrub,Flat(0-5%)	.name		LSUR
B,Shrub,Flat(0-5%)	LSUR	0	400
B,Shrub,Flat(0-5%)	.name		SLSUR
B,Shrub,Flat(0-5%)	SLSUR	0	0.05
B,Shrub,Flat(0-5%)	.name		KVARY
B,Shrub,Flat(0-5%)	KVARY	0	1.2
B,Shrub,Flat(0-5%)	.name		AGWRC
B,Shrub,Flat(0-5%)	AGWRC	0	0.95
B,Shrub,Flat(0-5%)	.name		PETMAX
B,Shrub,Flat(0-5%)	PETMAX	0	40
B,Shrub,Flat(0-5%)	.name		PETMIN
B,Shrub,Flat(0-5%)	PETMIN	0	35
B,Shrub,Flat(0-5%)	.name		INFEXP
B,Shrub,Flat(0-5%)	INFEXP	0	2
B,Shrub,Flat(0-5%)	.name		INFILD
B,Shrub,Flat(0-5%)	INFILD	0	2
B,Shrub,Flat(0-5%)	.name		DEEPFR
B,Shrub,Flat(0-5%)	.name		BASETP
B,Shrub,Flat(0-5%)	.name		AGWETP
B,Shrub,Flat(0-5%)	.name		CEPSC
B,Shrub,Flat(0-5%)	.name		UZSN
B,Shrub,Flat(0-5%)	UZSN	0	0.9
B,Shrub,Flat(0-5%)	.name		NSUR
B,Shrub,Flat(0-5%)	NSUR	0	0.3
B,Shrub,Flat(0-5%)	.name		INTFW
B,Shrub,Flat(0-5%)	INTFW	0	3
B,Shrub,Flat(0-5%)	.name		IRC
B,Shrub,Flat(0-5%)	IRC	0	0.7
B,Shrub,Flat(0-5%)	.name		LZETP
B,Shrub,Flat(0-5%)	.name		MELEV
B,Shrub,Flat(0-5%)	MELEV	0	400
B,Shrub,Flat(0-5%)	.name		BELV

B,Shrub,Flat(0-5%)	.name		GWDATM
B,Shrub,Flat(0-5%)	.name		PCW
B,Shrub,Flat(0-5%)	PCW	0	0.28
B,Shrub,Flat(0-5%)	.name		PGW
B,Shrub,Flat(0-5%)	PGW	0	0.3
B,Shrub,Flat(0-5%)	.name		UPGW
B,Shrub,Flat(0-5%)	UPGW	0	0.37
B,Shrub,Flat(0-5%)	.name		STABNO
B,Shrub,Flat(0-5%)	STABNO	0	1
B,Shrub,Flat(0-5%)	.name		SRRC
B,Shrub,Flat(0-5%)	SRRC	0	0.1
B,Shrub,Flat(0-5%)	.name		SREXP
B,Shrub,Flat(0-5%)	.name		IFWSC
B,Shrub,Flat(0-5%)	IFWSC	0	4
B,Shrub,Flat(0-5%)	.name		DELTA
B,Shrub,Flat(0-5%)	DELTA	0	0.2
B,Shrub,Flat(0-5%)	.name		UELFACT
B,Shrub,Flat(0-5%)	UELFACT	0	4
B,Shrub,Flat(0-5%)	.name		LELFAC
B,Shrub,Flat(0-5%)	LELFAC	0	2.5
B,Shrub,Flat(0-5%)	.name		CEPS
B,Shrub,Flat(0-5%)	.name		SURS
B,Shrub,Flat(0-5%)	.name		UZS
B,Shrub,Flat(0-5%)	UZS	0	0.01
B,Shrub,Flat(0-5%)	.name		IFWS
B,Shrub,Flat(0-5%)	.name		LZS
B,Shrub,Flat(0-5%)	LZS	0	0.5
B,Shrub,Flat(0-5%)	.name		AGWS
B,Shrub,Flat(0-5%)	AGWS	0	0.3
B,Shrub,Flat(0-5%)	.name		GWVS
B,Shrub,Flat(0-5%)	GWVS	0	0.01
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.5
B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.5
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.5
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.6
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.65
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.65
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.65
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.65
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.65
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.65
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.55
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.5
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.13

B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.13
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.13
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.14
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.15
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.15
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.15
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.15
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.15
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.15
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.14
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.13
B,Shrub,Flat(0-5%)	.pnum	0	67
B,Shrub,Flat(0-5%)	.name		NBLKS
B,Shrub,Flat(0-5%)	NBLKS	0	1
B,Shrub,Flat(0-5%)	.name		USER
B,Shrub,Flat(0-5%)	USER	0	1
B,Shrub,Flat(0-5%)	.name		IN
B,Shrub,Flat(0-5%)	IN	0	1
B,Shrub,Flat(0-5%)	.name		OUT
B,Shrub,Flat(0-5%)	OUT	0	1
B,Shrub,Flat(0-5%)	.name		ENGL
B,Shrub,Flat(0-5%)	ENGL	0	27
B,Shrub,Flat(0-5%)	.name		METER
B,Shrub,Flat(0-5%)	.name		ATMP
B,Shrub,Flat(0-5%)	.name		SNOW
B,Shrub,Flat(0-5%)	.name		PWAT
B,Shrub,Flat(0-5%)	PWAT	0	1
B,Shrub,Flat(0-5%)	.name		SED
B,Shrub,Flat(0-5%)	.name		PST
B,Shrub,Flat(0-5%)	.name		PWG
B,Shrub,Flat(0-5%)	.name		PQAL
B,Shrub,Flat(0-5%)	.name		MSTL
B,Shrub,Flat(0-5%)	.name		PEST
B,Shrub,Flat(0-5%)	.name		NITR
B,Shrub,Flat(0-5%)	.name		PHOS
B,Shrub,Flat(0-5%)	.name		TRAC
B,Shrub,Flat(0-5%)	.name		ATMP2
B,Shrub,Flat(0-5%)	.name		SNOW2
B,Shrub,Flat(0-5%)	.name		PWAT2
B,Shrub,Flat(0-5%)	PWAT2	0	4
B,Shrub,Flat(0-5%)	.name		SED2
B,Shrub,Flat(0-5%)	.name		PST2
B,Shrub,Flat(0-5%)	.name		PWG2
B,Shrub,Flat(0-5%)	.name		PQAL2
B,Shrub,Flat(0-5%)	.name		MSTL2
B,Shrub,Flat(0-5%)	.name		PEST2

B,Shrub,Flat(0-5%)	.name		NITR2
B,Shrub,Flat(0-5%)	.name		PHOS2
B,Shrub,Flat(0-5%)	.name		TRAC2
B,Shrub,Flat(0-5%)	.name		PVIL
B,Shrub,Flat(0-5%)	PVIL	0	1
B,Shrub,Flat(0-5%)	.name		PYR
B,Shrub,Flat(0-5%)	PYR	0	9
B,Shrub,Flat(0-5%)	.name		CSNO
B,Shrub,Flat(0-5%)	.name		RTOP
B,Shrub,Flat(0-5%)	.name		UZFG
B,Shrub,Flat(0-5%)	.name		VCS
B,Shrub,Flat(0-5%)	VCS	0	1
B,Shrub,Flat(0-5%)	.name		VUZ
B,Shrub,Flat(0-5%)	.name		VNN
B,Shrub,Flat(0-5%)	.name		VIFW
B,Shrub,Flat(0-5%)	.name		VIRC
B,Shrub,Flat(0-5%)	.name		VLE
B,Shrub,Flat(0-5%)	VLE	0	1
B,Shrub,Flat(0-5%)	.name		INFC
B,Shrub,Flat(0-5%)	.name		HWT
B,Shrub,Flat(0-5%)	.name		FOREST
B,Shrub,Flat(0-5%)	.name		LZSN
B,Shrub,Flat(0-5%)	LZSN	0	5
B,Shrub,Flat(0-5%)	.name		INFILT
B,Shrub,Flat(0-5%)	INFILT	0	0.07
B,Shrub,Flat(0-5%)	.name		LSUR
B,Shrub,Flat(0-5%)	LSUR	0	400
B,Shrub,Flat(0-5%)	.name		SLSUR
B,Shrub,Flat(0-5%)	SLSUR	0	0.05
B,Shrub,Flat(0-5%)	.name		KVARY
B,Shrub,Flat(0-5%)	KVARY	0	1.2
B,Shrub,Flat(0-5%)	.name		AGWRC
B,Shrub,Flat(0-5%)	AGWRC	0	0.95
B,Shrub,Flat(0-5%)	.name		PETMAX
B,Shrub,Flat(0-5%)	PETMAX	0	40
B,Shrub,Flat(0-5%)	.name		PETMIN
B,Shrub,Flat(0-5%)	PETMIN	0	35
B,Shrub,Flat(0-5%)	.name		INFEXP
B,Shrub,Flat(0-5%)	INFEXP	0	2
B,Shrub,Flat(0-5%)	.name		INFILD
B,Shrub,Flat(0-5%)	INFILD	0	2
B,Shrub,Flat(0-5%)	.name		DEEPFR
B,Shrub,Flat(0-5%)	.name		BASETP
B,Shrub,Flat(0-5%)	.name		AGWETP
B,Shrub,Flat(0-5%)	.name		CEPSC
B,Shrub,Flat(0-5%)	.name		UZSN
B,Shrub,Flat(0-5%)	UZSN	0	0.9
B,Shrub,Flat(0-5%)	.name		NSUR
B,Shrub,Flat(0-5%)	NSUR	0	0.3
B,Shrub,Flat(0-5%)	.name		INTFW
B,Shrub,Flat(0-5%)	INTFW	0	3
B,Shrub,Flat(0-5%)	.name		IRC
B,Shrub,Flat(0-5%)	IRC	0	0.7
B,Shrub,Flat(0-5%)	.name		LZETP
B,Shrub,Flat(0-5%)	.name		MELEV
B,Shrub,Flat(0-5%)	MELEV	0	400
B,Shrub,Flat(0-5%)	.name		BELV

B,Shrub,Flat(0-5%)	.name		GWDATM
B,Shrub,Flat(0-5%)	.name		PCW
B,Shrub,Flat(0-5%)	PCW	0	0.28
B,Shrub,Flat(0-5%)	.name		PGW
B,Shrub,Flat(0-5%)	PGW	0	0.3
B,Shrub,Flat(0-5%)	.name		UPGW
B,Shrub,Flat(0-5%)	UPGW	0	0.37
B,Shrub,Flat(0-5%)	.name		STABNO
B,Shrub,Flat(0-5%)	STABNO	0	1
B,Shrub,Flat(0-5%)	.name		SRRC
B,Shrub,Flat(0-5%)	SRRC	0	0.1
B,Shrub,Flat(0-5%)	.name		SREXP
B,Shrub,Flat(0-5%)	.name		IFWSC
B,Shrub,Flat(0-5%)	IFWSC	0	4
B,Shrub,Flat(0-5%)	.name		DELTA
B,Shrub,Flat(0-5%)	DELTA	0	0.2
B,Shrub,Flat(0-5%)	.name		UELFACT
B,Shrub,Flat(0-5%)	UELFACT	0	4
B,Shrub,Flat(0-5%)	.name		LELFAC
B,Shrub,Flat(0-5%)	LELFAC	0	2.5
B,Shrub,Flat(0-5%)	.name		CEPS
B,Shrub,Flat(0-5%)	.name		SURS
B,Shrub,Flat(0-5%)	.name		UZS
B,Shrub,Flat(0-5%)	UZS	0	0.01
B,Shrub,Flat(0-5%)	.name		IFWS
B,Shrub,Flat(0-5%)	.name		LZS
B,Shrub,Flat(0-5%)	LZS	0	0.5
B,Shrub,Flat(0-5%)	.name		AGWS
B,Shrub,Flat(0-5%)	AGWS	0	0.3
B,Shrub,Flat(0-5%)	.name		GWVS
B,Shrub,Flat(0-5%)	GWVS	0	0.01
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.5
B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.5
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.5
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.6
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.65
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.65
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.65
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.65
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.65
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.65
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.55
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.5
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.13

B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.13
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.13
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.14
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.15
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.15
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.15
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.15
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.15
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.15
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.14
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.13
B,Shrub,Flat(0-5%)	.pnum	0	68
B,Shrub,Flat(0-5%)	.name		NBLKS
B,Shrub,Flat(0-5%)	NBLKS	0	1
B,Shrub,Flat(0-5%)	.name		USER
B,Shrub,Flat(0-5%)	USER	0	1
B,Shrub,Flat(0-5%)	.name		IN
B,Shrub,Flat(0-5%)	IN	0	1
B,Shrub,Flat(0-5%)	.name		OUT
B,Shrub,Flat(0-5%)	OUT	0	1
B,Shrub,Flat(0-5%)	.name		ENGL
B,Shrub,Flat(0-5%)	ENGL	0	27
B,Shrub,Flat(0-5%)	.name		METER
B,Shrub,Flat(0-5%)	.name		ATMP
B,Shrub,Flat(0-5%)	.name		SNOW
B,Shrub,Flat(0-5%)	.name		PWAT
B,Shrub,Flat(0-5%)	PWAT	0	1
B,Shrub,Flat(0-5%)	.name		SED
B,Shrub,Flat(0-5%)	.name		PST
B,Shrub,Flat(0-5%)	.name		PWG
B,Shrub,Flat(0-5%)	.name		PQAL
B,Shrub,Flat(0-5%)	.name		MSTL
B,Shrub,Flat(0-5%)	.name		PEST
B,Shrub,Flat(0-5%)	.name		NITR
B,Shrub,Flat(0-5%)	.name		PHOS
B,Shrub,Flat(0-5%)	.name		TRAC
B,Shrub,Flat(0-5%)	.name		ATMP2
B,Shrub,Flat(0-5%)	.name		SNOW2
B,Shrub,Flat(0-5%)	.name		PWAT2
B,Shrub,Flat(0-5%)	PWAT2	0	4
B,Shrub,Flat(0-5%)	.name		SED2
B,Shrub,Flat(0-5%)	.name		PST2
B,Shrub,Flat(0-5%)	.name		PWG2
B,Shrub,Flat(0-5%)	.name		PQAL2
B,Shrub,Flat(0-5%)	.name		MSTL2
B,Shrub,Flat(0-5%)	.name		PEST2

B,Shrub,Flat(0-5%)	.name		NITR2
B,Shrub,Flat(0-5%)	.name		PHOS2
B,Shrub,Flat(0-5%)	.name		TRAC2
B,Shrub,Flat(0-5%)	.name		PVIL
B,Shrub,Flat(0-5%)	PVIL	0	1
B,Shrub,Flat(0-5%)	.name		PYR
B,Shrub,Flat(0-5%)	PYR	0	9
B,Shrub,Flat(0-5%)	.name		CSNO
B,Shrub,Flat(0-5%)	.name		RTOP
B,Shrub,Flat(0-5%)	.name		UZFG
B,Shrub,Flat(0-5%)	.name		VCS
B,Shrub,Flat(0-5%)	VCS	0	1
B,Shrub,Flat(0-5%)	.name		VUZ
B,Shrub,Flat(0-5%)	.name		VNN
B,Shrub,Flat(0-5%)	.name		VIFW
B,Shrub,Flat(0-5%)	.name		VIRC
B,Shrub,Flat(0-5%)	.name		VLE
B,Shrub,Flat(0-5%)	VLE	0	1
B,Shrub,Flat(0-5%)	.name		INF C
B,Shrub,Flat(0-5%)	.name		HWT
B,Shrub,Flat(0-5%)	.name		FOREST
B,Shrub,Flat(0-5%)	.name		LZSN
B,Shrub,Flat(0-5%)	LZSN	0	5
B,Shrub,Flat(0-5%)	.name		INFILT
B,Shrub,Flat(0-5%)	INFILT	0	0.07
B,Shrub,Flat(0-5%)	.name		LSUR
B,Shrub,Flat(0-5%)	LSUR	0	400
B,Shrub,Flat(0-5%)	.name		SLSUR
B,Shrub,Flat(0-5%)	SLSUR	0	0.05
B,Shrub,Flat(0-5%)	.name		KVARY
B,Shrub,Flat(0-5%)	KVARY	0	1.2
B,Shrub,Flat(0-5%)	.name		AGWRC
B,Shrub,Flat(0-5%)	AGWRC	0	0.95
B,Shrub,Flat(0-5%)	.name		PETMAX
B,Shrub,Flat(0-5%)	PETMAX	0	40
B,Shrub,Flat(0-5%)	.name		PETMIN
B,Shrub,Flat(0-5%)	PETMIN	0	35
B,Shrub,Flat(0-5%)	.name		INFEXP
B,Shrub,Flat(0-5%)	INFEXP	0	2
B,Shrub,Flat(0-5%)	.name		INFILD
B,Shrub,Flat(0-5%)	INFILD	0	2
B,Shrub,Flat(0-5%)	.name		DEEPFR
B,Shrub,Flat(0-5%)	.name		BASETP
B,Shrub,Flat(0-5%)	.name		AGWETP
B,Shrub,Flat(0-5%)	.name		CEPSC
B,Shrub,Flat(0-5%)	.name		UZSN
B,Shrub,Flat(0-5%)	UZSN	0	0.9
B,Shrub,Flat(0-5%)	.name		NSUR
B,Shrub,Flat(0-5%)	NSUR	0	0.3
B,Shrub,Flat(0-5%)	.name		INTFW
B,Shrub,Flat(0-5%)	INTFW	0	3
B,Shrub,Flat(0-5%)	.name		IRC
B,Shrub,Flat(0-5%)	IRC	0	0.7
B,Shrub,Flat(0-5%)	.name		LZETP
B,Shrub,Flat(0-5%)	.name		MELEV
B,Shrub,Flat(0-5%)	MELEV	0	400
B,Shrub,Flat(0-5%)	.name		BELV

B,Shrub,Flat(0-5%)	.name		GWDATM
B,Shrub,Flat(0-5%)	.name		PCW
B,Shrub,Flat(0-5%)	PCW	0	0.28
B,Shrub,Flat(0-5%)	.name		PGW
B,Shrub,Flat(0-5%)	PGW	0	0.3
B,Shrub,Flat(0-5%)	.name		UPGW
B,Shrub,Flat(0-5%)	UPGW	0	0.37
B,Shrub,Flat(0-5%)	.name		STABNO
B,Shrub,Flat(0-5%)	STABNO	0	1
B,Shrub,Flat(0-5%)	.name		SRRC
B,Shrub,Flat(0-5%)	SRRC	0	0.1
B,Shrub,Flat(0-5%)	.name		SREXP
B,Shrub,Flat(0-5%)	.name		IFWSC
B,Shrub,Flat(0-5%)	IFWSC	0	4
B,Shrub,Flat(0-5%)	.name		DELTA
B,Shrub,Flat(0-5%)	DELTA	0	0.2
B,Shrub,Flat(0-5%)	.name		UELFACT
B,Shrub,Flat(0-5%)	UELFACT	0	4
B,Shrub,Flat(0-5%)	.name		LELFAC
B,Shrub,Flat(0-5%)	LELFAC	0	2.5
B,Shrub,Flat(0-5%)	.name		CEPS
B,Shrub,Flat(0-5%)	.name		SURS
B,Shrub,Flat(0-5%)	.name		UZS
B,Shrub,Flat(0-5%)	UZS	0	0.01
B,Shrub,Flat(0-5%)	.name		IFWS
B,Shrub,Flat(0-5%)	.name		LZS
B,Shrub,Flat(0-5%)	LZS	0	0.5
B,Shrub,Flat(0-5%)	.name		AGWS
B,Shrub,Flat(0-5%)	AGWS	0	0.3
B,Shrub,Flat(0-5%)	.name		GWVS
B,Shrub,Flat(0-5%)	GWVS	0	0.01
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.5
B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.5
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.5
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.6
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.65
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.65
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.65
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.65
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.65
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.65
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.55
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.5
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.13

B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.13
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.13
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.14
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.15
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.15
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.15
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.15
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.15
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.15
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.14
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.13

Implnd changes.

Name	Property	Original	Changed
Roof Area LAT	.pnum	0	18
Roof Area LAT	.Name		USER
Roof Area LAT	USER	0	1
Roof Area LAT	.Name		IN
Roof Area LAT	IN	0	1
Roof Area LAT	.Name		OUT
Roof Area LAT	OUT	0	1
Roof Area LAT	.Name		ENGL
Roof Area LAT	ENGL	0	27
Roof Area LAT	.Name		METER
Roof Area LAT	.Name		ATMP
Roof Area LAT	.Name		SNOW
Roof Area LAT	.Name		IWAT
Roof Area LAT	IWAT	0	1
Roof Area LAT	.Name		SLD
Roof Area LAT	.Name		IWG
Roof Area LAT	.Name		IQAL
Roof Area LAT	.Name		ATMP2
Roof Area LAT	.Name		SNOW2
Roof Area LAT	.Name		IWAT2
Roof Area LAT	IWAT2	0	4
Roof Area LAT	.Name		SLD2
Roof Area LAT	.Name		IWG2
Roof Area LAT	.Name		IQAL2
Roof Area LAT	.Name		PVIL
Roof Area LAT	PVIL	0	1
Roof Area LAT	.Name		PYR
Roof Area LAT	PYR	0	9
Roof Area LAT	.Name		CSNO
Roof Area LAT	.Name		RTOP
Roof Area LAT	.Name		VRS
Roof Area LAT	.Name		VNN

Roof Area LAT	.Name	RTLI
Roof Area LAT	.Name	LSUR
Roof Area LAT	LSUR	0
Roof Area LAT	.Name	100
Roof Area LAT	.Name	SLSUR
Roof Area LAT	SLSUR	0
Roof Area LAT	.Name	0 .05
Roof Area LAT	.Name	NSUR
Roof Area LAT	NSUR	0
Roof Area LAT	.Name	0 .1
Roof Area LAT	.Name	RETSC
Roof Area LAT	RETSC	0
Roof Area LAT	.Name	0 .1
Roof Area LAT	.Name	PETMAX
Roof Area LAT	.Name	PETMIN
Roof Area LAT	.Name	RETS
Roof Area LAT	.Name	SURS
Roof Area LAT	.pnum	0
Roof Area LAT	.Name	19
Roof Area LAT	.Name	USER
Roof Area LAT	USER	0
Roof Area LAT	.Name	1
Roof Area LAT	.Name	IN
Roof Area LAT	IN	0
Roof Area LAT	.Name	1
Roof Area LAT	.Name	OUT
Roof Area LAT	OUT	0
Roof Area LAT	.Name	1
Roof Area LAT	ENGL	0
Roof Area LAT	.Name	ENGL
Roof Area LAT	ENGL	0
Roof Area LAT	.Name	27
Roof Area LAT	.Name	METER
Roof Area LAT	.Name	ATMP
Roof Area LAT	.Name	SNOW
Roof Area LAT	.Name	IWAT
Roof Area LAT	IWAT	0
Roof Area LAT	.Name	1
Roof Area LAT	.Name	SLD
Roof Area LAT	.Name	IWG
Roof Area LAT	.Name	IQAL
Roof Area LAT	.Name	ATMP2
Roof Area LAT	.Name	SNOW2
Roof Area LAT	.Name	IWAT2
Roof Area LAT	IWAT2	0
Roof Area LAT	.Name	4
Roof Area LAT	.Name	SLD2
Roof Area LAT	.Name	IWG2
Roof Area LAT	.Name	IQAL2
Roof Area LAT	.Name	PVIL
Roof Area LAT	PVIL	0
Roof Area LAT	.Name	1
Roof Area LAT	.Name	PYR
Roof Area LAT	PYR	0
Roof Area LAT	.Name	9
Roof Area LAT	.Name	CSNO
Roof Area LAT	.Name	RTOP
Roof Area LAT	.Name	VRS
Roof Area LAT	.Name	VNN
Roof Area LAT	.Name	RTLI
Roof Area LAT	.Name	LSUR
Roof Area LAT	LSUR	0
Roof Area LAT	.Name	100
Roof Area LAT	.Name	SLSUR
Roof Area LAT	SLSUR	0
Roof Area LAT	.Name	0 .05
Roof Area LAT	.Name	NSUR
Roof Area LAT	NSUR	0
Roof Area LAT	.Name	0 .1
Roof Area LAT	.Name	RETSC
Roof Area LAT	RETSC	0
Roof Area LAT	.Name	0 .1
Roof Area LAT	.Name	PETMAX
Roof Area LAT	.Name	PETMIN
Roof Area LAT	.Name	RETS

Roof Area LAT	.Name		SURS
Roof Area LAT	.pnum	0	20
Roof Area LAT	.Name		USER
Roof Area LAT	USER	0	1
Roof Area LAT	.Name		IN
Roof Area LAT	IN	0	1
Roof Area LAT	.Name		OUT
Roof Area LAT	OUT	0	1
Roof Area LAT	.Name		ENGL
Roof Area LAT	ENGL	0	27
Roof Area LAT	.Name		METER
Roof Area LAT	.Name		ATMP
Roof Area LAT	.Name		SNOW
Roof Area LAT	.Name		IWAT
Roof Area LAT	IWAT	0	1
Roof Area LAT	.Name		SLD
Roof Area LAT	.Name		IWG
Roof Area LAT	.Name		IQAL
Roof Area LAT	.Name		ATMP2
Roof Area LAT	.Name		SNOW2
Roof Area LAT	.Name		IWAT2
Roof Area LAT	IWAT2	0	4
Roof Area LAT	.Name		SLD2
Roof Area LAT	.Name		IWG2
Roof Area LAT	.Name		IQAL2
Roof Area LAT	.Name		PVIL
Roof Area LAT	PVIL	0	1
Roof Area LAT	.Name		PYR
Roof Area LAT	PYR	0	9
Roof Area LAT	.Name		CSNO
Roof Area LAT	.Name		RTOP
Roof Area LAT	.Name		VRS
Roof Area LAT	.Name		VNN
Roof Area LAT	.Name		RTLI
Roof Area LAT	.Name		LSUR
Roof Area LAT	LSUR	0	100
Roof Area LAT	.Name		SLSUR
Roof Area LAT	SLSUR	0	0.05
Roof Area LAT	.Name		NSUR
Roof Area LAT	NSUR	0	0.1
Roof Area LAT	.Name		RETSC
Roof Area LAT	RETSC	0	0.1
Roof Area LAT	.Name		PETMAX
Roof Area LAT	.Name		PETMIN
Roof Area LAT	.Name		RETS
Roof Area LAT	.Name		SURS
Roof Area LAT	.pnum	0	21
Roof Area LAT	.Name		USER
Roof Area LAT	USER	0	1
Roof Area LAT	.Name		IN
Roof Area LAT	IN	0	1
Roof Area LAT	.Name		OUT
Roof Area LAT	OUT	0	1
Roof Area LAT	.Name		ENGL
Roof Area LAT	ENGL	0	27
Roof Area LAT	.Name		METER
Roof Area LAT	.Name		ATMP

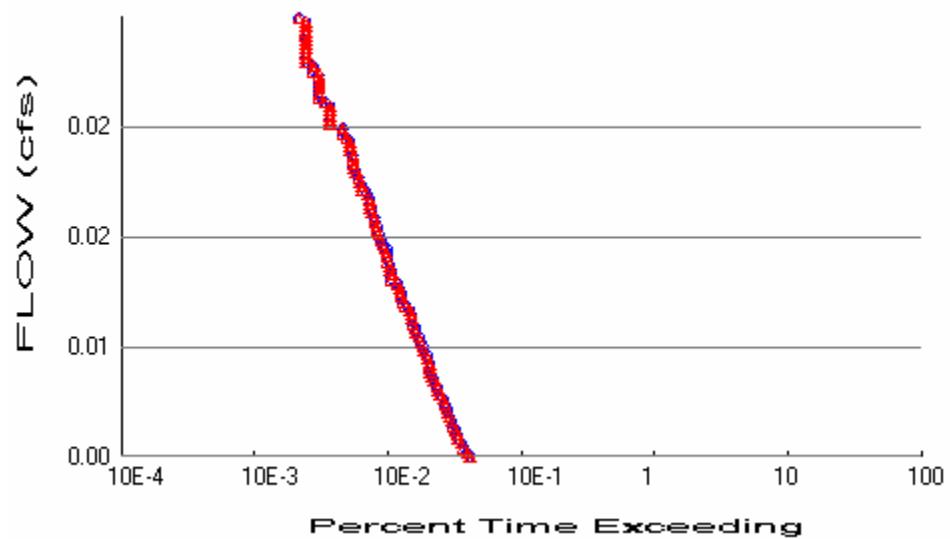
Roof Area LAT	.Name		SNOW
Roof Area LAT	.Name		IWAT
Roof Area LAT	IWAT	0	1
Roof Area LAT	.Name		SLD
Roof Area LAT	.Name		IWG
Roof Area LAT	.Name		IQAL
Roof Area LAT	.Name		ATMP2
Roof Area LAT	.Name		SNOW2
Roof Area LAT	.Name		IWAT2
Roof Area LAT	IWAT2	0	4
Roof Area LAT	.Name		SLD2
Roof Area LAT	.Name		IWG2
Roof Area LAT	.Name		IQAL2
Roof Area LAT	.Name		PVIL
Roof Area LAT	PVIL	0	1
Roof Area LAT	.Name		PYR
Roof Area LAT	PYR	0	9
Roof Area LAT	.Name		CSNO
Roof Area LAT	.Name		RTOP
Roof Area LAT	.Name		VRS
Roof Area LAT	.Name		VNN
Roof Area LAT	.Name		RTLI
Roof Area LAT	.Name		LSUR
Roof Area LAT	LSUR	0	100
Roof Area LAT	.Name		SLSUR
Roof Area LAT	SLSUR	0	0.05
Roof Area LAT	.Name		NSUR
Roof Area LAT	NSUR	0	0.1
Roof Area LAT	.Name		RETSC
Roof Area LAT	RETSC	0	0.1
Roof Area LAT	.Name		PETMAX
Roof Area LAT	.Name		PETMIN
Roof Area LAT	.Name		RETS
Roof Area LAT	.Name		SURS
Roof Area LAT	.pnum	0	22
Roof Area LAT	.Name		USER
Roof Area LAT	USER	0	1
Roof Area LAT	.Name		IN
Roof Area LAT	IN	0	1
Roof Area LAT	.Name		OUT
Roof Area LAT	OUT	0	1
Roof Area LAT	.Name		ENGL
Roof Area LAT	ENGL	0	27
Roof Area LAT	.Name		METER
Roof Area LAT	.Name		ATMP
Roof Area LAT	.Name		SNOW
Roof Area LAT	.Name		IWAT
Roof Area LAT	IWAT	0	1
Roof Area LAT	.Name		SLD
Roof Area LAT	.Name		IWG
Roof Area LAT	.Name		IQAL
Roof Area LAT	.Name		ATMP2
Roof Area LAT	.Name		SNOW2
Roof Area LAT	.Name		IWAT2
Roof Area LAT	IWAT2	0	4
Roof Area LAT	.Name		SLD2
Roof Area LAT	.Name		IWG2

Roof Area LAT	.Name	IQAL2	
Roof Area LAT	.Name	PVIL	
Roof Area LAT	PVIL	0	1
Roof Area LAT	.Name	PYR	
Roof Area LAT	PYR	0	9
Roof Area LAT	.Name	CSNO	
Roof Area LAT	.Name	RTOP	
Roof Area LAT	.Name	VRS	
Roof Area LAT	.Name	VNN	
Roof Area LAT	.Name	RTLI	
Roof Area LAT	.Name	LSUR	
Roof Area LAT	LSUR	0	100
Roof Area LAT	.Name	SLSUR	
Roof Area LAT	SLSUR	0	0.05
Roof Area LAT	.Name	NSUR	
Roof Area LAT	NSUR	0	0.1
Roof Area LAT	.Name	RETSC	
Roof Area LAT	RETSC	0	0.1
Roof Area LAT	.Name	PETMAX	
Roof Area LAT	.Name	PETMIN	
Roof Area LAT	.Name	RETS	
Roof Area LAT	.Name	SURS	

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# POC 200



**San Diego Hydrology Model  
PROJECT REPORT**

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**Project Name:** Basin200

**Site Address:**

**City** : Borrego, CA

**Report Date** : 4/15/2010

**Gage** : San Diego Airport

**Data Start** : 1963/08/08

**Data End** : 2001/01/28

**Precip Scale:** 0.80

**SDHM Version:**

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**PREDEVELOPED LAND USE**

**Name** : PR Type A Soils

**Bypass:** No

**GroundWater:** No

<b>Pervious Land Use</b>	<b>Acres</b>
A, Shrub, Flat(0-5%)	2.699

**Element Flows To:**

<b>Surface</b>	<b>Interflow</b>	<b>Groundwater</b>
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**Name** : PR PV Supports on Type B Soil

**Bypass:** No

<b>Impervious Land Use</b>	<b>Acres</b>
Roof Area LAT	0.05

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**Element Flows To:**

<b>Outlet 1</b>	<b>Outlet 2</b>
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PR Type B Soils,

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**Name** : PR Type B Soils

**Bypass:** No

**GroundWater:** No

<b>Pervious Land Use</b>	<b>Acres</b>
B, Shrub, Flat(0-5%)	161.176

**Element Flows To:**

<b>Surface</b>	<b>Interflow</b>	<b>Groundwater</b>
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**Name** : EX Type A Soils

**Bypass:** No

**GroundWater:** No

<b>Pervious Land Use</b>	<b>Acres</b>
A,Shrub,Flat(0-5%)	2.7

**Element Flows To:**

Surface	Interflow	Groundwater
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Name : EX Type B Soils

**Bypass:** No

**GroundWater:** No

<b>Pervious Land Use</b>	<b>Acres</b>
B,Shrub,Flat(0-5%)	161.6

**Element Flows To:**

Surface	Interflow	Groundwater
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Name : PR Imperv on Type A Soil

**Bypass:** No

<b>Impervious Land Use</b>	<b>Acres</b>
Roof Area LAT	0.001

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**Element Flows To:**

Outlet 1	Outlet 2
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PR Type A Soils,

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Name : PR Inverter Bldgs

**Bypass:** No

<b>Impervious Land Use</b>	<b>Acres</b>
Roof Area LAT	0.167

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**Element Flows To:**

Outlet 1	Outlet 2
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Buffer (6' offset),

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Name : Gravel Trench Bed 1

Bottom Length: 1397ft.

Bottom Width : 3ft.

Trench bottom slope 1: 0.0001 To 1

Trench Left side slope 0: 0 To 1

Trench right side slope 2: 0 To 1

Material thickness of first layer : 3  
Pour Space of material for first layer : 0.33  
Material thickness of second layer : 0  
Pour Space of material for second layer : 0  
Material thickness of third layer : 0  
Pour Space of material for third layer : 0  
Infiltration On  
Infiltration rate : 0.3  
Infiltration saftey factor : 1  
Discharge Structure  
Riser Height: 2.5 ft.  
Riser Diameter: 36 in.

Element Flows To:  
Outlet 1                          Outlet 2

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**Gravel Trench Bed Hydraulic Table**

Stage(ft)	Area(acr)	Volume(acr-ft)	Dschrg(cfs)	Infilt(cfs)
0.000	0.096	0.000	0.000	0.000
0.033	0.096	0.001	0.000	0.029
0.067	0.096	0.002	0.000	0.029
0.100	0.096	0.003	0.000	0.029
0.133	0.096	0.004	0.000	0.029
0.167	0.096	0.005	0.000	0.029
0.200	0.096	0.006	0.000	0.029
0.233	0.096	0.007	0.000	0.029
0.267	0.096	0.008	0.000	0.029
0.300	0.096	0.010	0.000	0.029
0.333	0.096	0.011	0.000	0.029
0.367	0.096	0.012	0.000	0.029
0.400	0.096	0.013	0.000	0.029
0.433	0.096	0.014	0.000	0.029
0.467	0.096	0.015	0.000	0.029
0.500	0.096	0.016	0.000	0.029
0.533	0.096	0.017	0.000	0.029
0.567	0.096	0.018	0.000	0.029
0.600	0.096	0.019	0.000	0.029
0.633	0.096	0.020	0.000	0.029
0.667	0.096	0.021	0.000	0.029
0.700	0.096	0.022	0.000	0.029
0.733	0.096	0.023	0.000	0.029
0.767	0.096	0.024	0.000	0.029
0.800	0.096	0.025	0.000	0.029
0.833	0.096	0.026	0.000	0.029
0.867	0.096	0.028	0.000	0.029
0.900	0.096	0.029	0.000	0.029
0.933	0.096	0.030	0.000	0.029
0.967	0.096	0.031	0.000	0.029
1.000	0.096	0.032	0.000	0.029
1.033	0.096	0.033	0.000	0.029
1.067	0.096	0.034	0.000	0.029
1.100	0.096	0.035	0.000	0.029
1.133	0.096	0.036	0.000	0.029
1.167	0.096	0.037	0.000	0.029

1.200	0.096	0.038	0.000	0.029
1.233	0.096	0.039	0.000	0.029
1.267	0.096	0.040	0.000	0.029
1.300	0.096	0.041	0.000	0.029
1.333	0.096	0.042	0.000	0.029
1.367	0.096	0.043	0.000	0.029
1.400	0.096	0.044	0.000	0.029
1.433	0.096	0.046	0.000	0.029
1.467	0.096	0.047	0.000	0.029
1.500	0.096	0.048	0.000	0.029
1.533	0.096	0.049	0.000	0.029
1.567	0.096	0.050	0.000	0.029
1.600	0.096	0.051	0.000	0.029
1.633	0.096	0.052	0.000	0.029
1.667	0.096	0.053	0.000	0.029
1.700	0.096	0.054	0.000	0.029
1.733	0.096	0.055	0.000	0.029
1.767	0.096	0.056	0.000	0.029
1.800	0.096	0.057	0.000	0.029
1.833	0.096	0.058	0.000	0.029
1.867	0.096	0.059	0.000	0.029
1.900	0.096	0.060	0.000	0.029
1.933	0.096	0.061	0.000	0.029
1.967	0.096	0.062	0.000	0.029
2.000	0.096	0.064	0.000	0.029
2.033	0.096	0.065	0.000	0.029
2.067	0.096	0.066	0.000	0.029
2.100	0.096	0.067	0.000	0.029
2.133	0.096	0.068	0.000	0.029
2.167	0.096	0.069	0.000	0.029
2.200	0.096	0.070	0.000	0.029
2.233	0.096	0.071	0.000	0.029
2.267	0.096	0.072	0.000	0.029
2.300	0.096	0.073	0.000	0.029
2.333	0.096	0.074	0.000	0.029
2.367	0.096	0.075	0.000	0.029
2.400	0.096	0.076	0.000	0.029
2.433	0.096	0.077	0.000	0.029
2.467	0.096	0.078	0.000	0.029
2.500	0.096	0.079	0.000	0.029
2.533	0.096	0.080	0.178	0.029
2.567	0.096	0.081	0.503	0.029
2.600	0.096	0.083	0.924	0.029
2.633	0.096	0.084	1.422	0.029
2.667	0.096	0.085	1.988	0.029
2.700	0.096	0.086	2.613	0.029
2.733	0.096	0.087	3.293	0.029
2.767	0.096	0.088	4.023	0.029
2.800	0.096	0.089	4.801	0.029
2.833	0.096	0.090	5.623	0.029
2.867	0.096	0.091	6.487	0.029
2.900	0.096	0.092	7.391	0.029
2.933	0.096	0.093	8.334	0.029
2.967	0.096	0.094	9.314	0.029
3.000	0.096	0.095	10.33	0.029

Name : Buffer (6' offset)

Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>Acres</u>
B,Shrub,Flat(0-5%)	.111

Element Flows To:

Surface	Interflow	Groundwater
Gravel Trench Bed 1,	Gravel Trench Bed 1,	

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#### MITIGATED LAND USE

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#### ANALYSIS RESULTS

Flow Frequency Return Periods for Predeveloped. POC #1

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	0.002782
5 year	0.01866
10 year	0.028635
25 year	2.931201

Flow Frequency Return Periods for Mitigated. POC #1

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	0.002778
5 year	0.018625
10 year	0.028588
25 year	2.928273

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Yearly Peaks for Predeveloped and Mitigated. POC #1

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1965	0.014	0.014
1966	0.001	0.001
1967	0.006	0.006
1968	0.000	0.000
1969	0.000	0.000
1970	0.000	0.000
1971	0.000	0.000
1972	0.000	0.000
1973	0.000	0.000
1974	0.000	0.000
1975	0.003	0.003
1976	0.018	0.018
1977	10.219	10.209
1978	0.004	0.004
1979	0.028	0.028
1980	0.025	0.025
1981	0.031	0.031
1982	0.000	0.000
1983	0.011	0.011
1984	0.068	0.068

1985	0.013	0.013
1986	0.003	0.003
1987	0.022	0.022
1988	0.001	0.001
1989	0.005	0.005
1990	0.000	0.000
1991	0.001	0.001
1992	0.004	0.004
1993	0.018	0.018
1994	0.011	0.011
1995	0.001	0.001
1996	0.023	0.023
1997	0.000	0.000
1998	0.002	0.002
1999	0.014	0.014
2000	0.004	0.004
2001	0.000	0.000
2002	0.000	0.000

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**Ranked Yearly Peaks for Predeveloped and Mitigated. POC #1**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	10.2192	10.2090
2	0.0681	0.0680
3	0.0310	0.0310
4	0.0284	0.0284
5	0.0254	0.0254
6	0.0225	0.0225
7	0.0225	0.0224
8	0.0178	0.0178
9	0.0175	0.0175
10	0.0137	0.0137
11	0.0136	0.0136
12	0.0126	0.0125
13	0.0110	0.0110
14	0.0105	0.0105
15	0.0061	0.0061
16	0.0055	0.0055
17	0.0041	0.0041
18	0.0040	0.0040
19	0.0037	0.0037
20	0.0029	0.0029
21	0.0027	0.0027
22	0.0016	0.0016
23	0.0013	0.0013
24	0.0010	0.0010
25	0.0010	0.0010
26	0.0007	0.0007
27	0.0004	0.0004
28	0.0002	0.0002
29	0.0002	0.0002
30	0.0001	0.0001
31	0.0001	0.0001
32	0.0000	0.0000
33	0.0000	0.0000
34	0.0000	0.0000
35	0.0000	0.0000

36	0.0000	0.0000
37	0.0000	0.0000
38	0.0000	0.0000

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**POC #1**  
**The Facility PASSED**

**The Facility PASSED.**

Flow(CFS)	Predev	Dev	Percentage	Pass/Fail
0.0037	136	136	100	Pass
0.0040	130	130	100	Pass
0.0042	122	122	100	Pass
0.0045	117	117	100	Pass
0.0047	109	109	100	Pass
0.0050	108	108	100	Pass
0.0052	106	106	100	Pass
0.0055	102	102	100	Pass
0.0057	98	98	100	Pass
0.0060	95	95	100	Pass
0.0062	93	93	100	Pass
0.0065	91	90	98	Pass
0.0068	88	88	100	Pass
0.0070	85	85	100	Pass
0.0073	80	80	100	Pass
0.0075	78	78	100	Pass
0.0078	77	77	100	Pass
0.0080	73	72	98	Pass
0.0083	70	70	100	Pass
0.0085	68	68	100	Pass
0.0088	68	68	100	Pass
0.0090	68	68	100	Pass
0.0093	65	65	100	Pass
0.0095	64	64	100	Pass
0.0098	61	61	100	Pass
0.0100	60	60	100	Pass
0.0103	58	58	100	Pass
0.0105	56	56	100	Pass
0.0108	53	53	100	Pass
0.0110	53	52	98	Pass
0.0113	51	51	100	Pass
0.0115	50	50	100	Pass
0.0118	49	49	100	Pass
0.0120	48	48	100	Pass
0.0123	45	45	100	Pass
0.0125	43	43	100	Pass
0.0128	41	41	100	Pass
0.0130	41	41	100	Pass
0.0133	40	40	100	Pass
0.0135	39	39	100	Pass
0.0138	35	35	100	Pass
0.0140	35	35	100	Pass
0.0143	35	34	97	Pass
0.0145	34	34	100	Pass
0.0148	33	33	100	Pass
0.0151	32	32	100	Pass

0.0153	32	32	100	Pass
0.0156	32	31	96	Pass
0.0158	30	30	100	Pass
0.0161	29	29	100	Pass
0.0163	28	28	100	Pass
0.0166	27	27	100	Pass
0.0168	27	27	100	Pass
0.0171	26	26	100	Pass
0.0173	26	26	100	Pass
0.0176	25	25	100	Pass
0.0178	25	24	96	Pass
0.0181	24	24	100	Pass
0.0183	24	24	100	Pass
0.0186	23	23	100	Pass
0.0188	22	21	95	Pass
0.0191	21	21	100	Pass
0.0193	20	20	100	Pass
0.0196	20	20	100	Pass
0.0198	19	19	100	Pass
0.0201	18	18	100	Pass
0.0203	18	18	100	Pass
0.0206	18	18	100	Pass
0.0208	18	18	100	Pass
0.0211	17	17	100	Pass
0.0213	17	17	100	Pass
0.0216	17	17	100	Pass
0.0218	16	16	100	Pass
0.0221	15	15	100	Pass
0.0223	15	15	100	Pass
0.0226	12	12	100	Pass
0.0228	12	12	100	Pass
0.0231	12	12	100	Pass
0.0234	12	12	100	Pass
0.0236	12	12	100	Pass
0.0239	11	11	100	Pass
0.0241	10	10	100	Pass
0.0244	10	10	100	Pass
0.0246	10	10	100	Pass
0.0249	10	10	100	Pass
0.0251	10	10	100	Pass
0.0254	10	10	100	Pass
0.0256	9	9	100	Pass
0.0259	9	9	100	Pass
0.0261	8	8	100	Pass
0.0264	8	8	100	Pass
0.0266	8	8	100	Pass
0.0269	8	8	100	Pass
0.0271	8	8	100	Pass
0.0274	8	8	100	Pass
0.0276	8	8	100	Pass
0.0279	8	8	100	Pass
0.0281	8	8	100	Pass
0.0284	8	8	100	Pass
0.0286	7	7	100	Pass

**Drawdown Time Results**  
**Pond: Gravel Trench Bed 1**  
**Days      Stage(feet) Percent of Total Run Time**  
 1      2.966      0.0000  
 2      2.966      0.0000  
 3      2.966      0.0000  
 4      2.966      0.0000  
 5      2.966      0.0000

**Maximum Stage:** 1.564  
**Drawdown Time:** 05 00:00:10

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### PerInd and Implnd Changes

Total of 990 changes have been made.

PerInd changes.

Name	Property	Original	Changed
A,Shrub,Flat(0-5%)	.pnum	0	62
A,Shrub,Flat(0-5%)	.name		NBLKS
A,Shrub,Flat(0-5%)	NBLKS	0	1
A,Shrub,Flat(0-5%)	.name		USER
A,Shrub,Flat(0-5%)	USER	0	1
A,Shrub,Flat(0-5%)	.name		IN
A,Shrub,Flat(0-5%)	IN	0	1
A,Shrub,Flat(0-5%)	.name		OUT
A,Shrub,Flat(0-5%)	OUT	0	1
A,Shrub,Flat(0-5%)	.name		ENGL
A,Shrub,Flat(0-5%)	ENGL	0	27
A,Shrub,Flat(0-5%)	.name		METER
A,Shrub,Flat(0-5%)	.name		ATMP
A,Shrub,Flat(0-5%)	.name		SNOW
A,Shrub,Flat(0-5%)	.name		PWAT
A,Shrub,Flat(0-5%)	PWAT	0	1
A,Shrub,Flat(0-5%)	.name		SED
A,Shrub,Flat(0-5%)	.name		PST
A,Shrub,Flat(0-5%)	.name		PWG
A,Shrub,Flat(0-5%)	.name		PQAL
A,Shrub,Flat(0-5%)	.name		MSTL
A,Shrub,Flat(0-5%)	.name		PEST
A,Shrub,Flat(0-5%)	.name		NITR
A,Shrub,Flat(0-5%)	.name		PHOS
A,Shrub,Flat(0-5%)	.name		TRAC
A,Shrub,Flat(0-5%)	.name		ATMP2
A,Shrub,Flat(0-5%)	.name		SNOW2
A,Shrub,Flat(0-5%)	.name		PWAT2
A,Shrub,Flat(0-5%)	PWAT2	0	4
A,Shrub,Flat(0-5%)	.name		SED2
A,Shrub,Flat(0-5%)	.name		PST2
A,Shrub,Flat(0-5%)	.name		PWG2
A,Shrub,Flat(0-5%)	.name		PQAL2
A,Shrub,Flat(0-5%)	.name		MSTL2
A,Shrub,Flat(0-5%)	.name		PEST2
A,Shrub,Flat(0-5%)	.name		NITR2
A,Shrub,Flat(0-5%)	.name		PHOS2
A,Shrub,Flat(0-5%)	.name		TRAC2
A,Shrub,Flat(0-5%)	.name		PVIL
A,Shrub,Flat(0-5%)	PVIL	0	1
A,Shrub,Flat(0-5%)	.name		PYR

A,Shrub,Flat(0-5%)	PYR	0	9
A,Shrub,Flat(0-5%)	.name		CSNO
A,Shrub,Flat(0-5%)	.name		RTOP
A,Shrub,Flat(0-5%)	.name		UZFG
A,Shrub,Flat(0-5%)	.name		VCS
A,Shrub,Flat(0-5%)	VCS	0	1
A,Shrub,Flat(0-5%)	.name		VUZ
A,Shrub,Flat(0-5%)	.name		VNN
A,Shrub,Flat(0-5%)	.name		VIFW
A,Shrub,Flat(0-5%)	.name		VIRC
A,Shrub,Flat(0-5%)	.name		VLE
A,Shrub,Flat(0-5%)	VLE	0	1
A,Shrub,Flat(0-5%)	.name		INFC
A,Shrub,Flat(0-5%)	.name		HWT
A,Shrub,Flat(0-5%)	.name		FOREST
A,Shrub,Flat(0-5%)	.name		LZSN
A,Shrub,Flat(0-5%)	LZSN	0	5.2
A,Shrub,Flat(0-5%)	.name		INFILT
A,Shrub,Flat(0-5%)	INFILT	0	0.09
A,Shrub,Flat(0-5%)	.name		LSUR
A,Shrub,Flat(0-5%)	LSUR	0	400
A,Shrub,Flat(0-5%)	.name		SLSUR
A,Shrub,Flat(0-5%)	SLSUR	0	0.05
A,Shrub,Flat(0-5%)	.name		KVARY
A,Shrub,Flat(0-5%)	KVARY	0	0.8
A,Shrub,Flat(0-5%)	.name		AGWRC
A,Shrub,Flat(0-5%)	AGWRC	0	0.955
A,Shrub,Flat(0-5%)	.name		PETMAX
A,Shrub,Flat(0-5%)	PETMAX	0	40
A,Shrub,Flat(0-5%)	.name		PETMIN
A,Shrub,Flat(0-5%)	PETMIN	0	35
A,Shrub,Flat(0-5%)	.name		INFEXP
A,Shrub,Flat(0-5%)	INFEXP	0	2
A,Shrub,Flat(0-5%)	.name		INFILD
A,Shrub,Flat(0-5%)	INFILD	0	2
A,Shrub,Flat(0-5%)	.name		DEEPFR
A,Shrub,Flat(0-5%)	.name		BASETP
A,Shrub,Flat(0-5%)	.name		AGWETP
A,Shrub,Flat(0-5%)	.name		CEPSC
A,Shrub,Flat(0-5%)	.name		UZSN
A,Shrub,Flat(0-5%)	UZSN	0	0.9
A,Shrub,Flat(0-5%)	.name		NSUR
A,Shrub,Flat(0-5%)	NSUR	0	0.3
A,Shrub,Flat(0-5%)	.name		INTFW
A,Shrub,Flat(0-5%)	INTFW	0	4
A,Shrub,Flat(0-5%)	.name		IRC
A,Shrub,Flat(0-5%)	IRC	0	0.7
A,Shrub,Flat(0-5%)	.name		LZETP
A,Shrub,Flat(0-5%)	.name		MELEV
A,Shrub,Flat(0-5%)	MELEV	0	400
A,Shrub,Flat(0-5%)	.name		BELV
A,Shrub,Flat(0-5%)	.name		GWDATM
A,Shrub,Flat(0-5%)	.name		PCW
A,Shrub,Flat(0-5%)	PCW	0	0.33
A,Shrub,Flat(0-5%)	.name		PGW
A,Shrub,Flat(0-5%)	PGW	0	0.35
A,Shrub,Flat(0-5%)	.name		UPGW

A,Shrub,Flat(0-5%)	UPGW	0	0 .42
A,Shrub,Flat(0-5%)	.name		STABNO
A,Shrub,Flat(0-5%)	STABNO	0	1
A,Shrub,Flat(0-5%)	.name		SRRC
A,Shrub,Flat(0-5%)	SRRC	0	0 .1
A,Shrub,Flat(0-5%)	.name		SREXP
A,Shrub,Flat(0-5%)	.name		IFWSC
A,Shrub,Flat(0-5%)	IFWSC	0	4
A,Shrub,Flat(0-5%)	.name		DELTA
A,Shrub,Flat(0-5%)	DELTA	0	0 .2
A,Shrub,Flat(0-5%)	.name		UEL FAC
A,Shrub,Flat(0-5%)	UEL FAC	0	4
A,Shrub,Flat(0-5%)	.name		LELFAC
A,Shrub,Flat(0-5%)	LELFAC	0	2 .5
A,Shrub,Flat(0-5%)	.name		CEPS
A,Shrub,Flat(0-5%)	.name		SURS
A,Shrub,Flat(0-5%)	.name		UZS
A,Shrub,Flat(0-5%)	UZS	0	0 .01
A,Shrub,Flat(0-5%)	.name		IFWS
A,Shrub,Flat(0-5%)	.name		LZS
A,Shrub,Flat(0-5%)	LZS	0	0 .5
A,Shrub,Flat(0-5%)	.name		AGWS
A,Shrub,Flat(0-5%)	AGWS	0	0 .3
A,Shrub,Flat(0-5%)	.name		GWVS
A,Shrub,Flat(0-5%)	GWVS	0	0 .01
A,Shrub,Flat(0-5%)	.name		JAN
A,Shrub,Flat(0-5%)	JAN	0	0 .5
A,Shrub,Flat(0-5%)	.name		FEB
A,Shrub,Flat(0-5%)	FEB	0	0 .5
A,Shrub,Flat(0-5%)	.name		MAR
A,Shrub,Flat(0-5%)	MAR	0	0 .5
A,Shrub,Flat(0-5%)	.name		APR
A,Shrub,Flat(0-5%)	APR	0	0 .6
A,Shrub,Flat(0-5%)	.name		MAY
A,Shrub,Flat(0-5%)	MAY	0	0 .65
A,Shrub,Flat(0-5%)	.name		JUNE
A,Shrub,Flat(0-5%)	JUNE	0	0 .65
A,Shrub,Flat(0-5%)	.name		JULY
A,Shrub,Flat(0-5%)	JULY	0	0 .65
A,Shrub,Flat(0-5%)	.name		AUG
A,Shrub,Flat(0-5%)	AUG	0	0 .65
A,Shrub,Flat(0-5%)	.name		SEPT
A,Shrub,Flat(0-5%)	SEPT	0	0 .65
A,Shrub,Flat(0-5%)	.name		OCT
A,Shrub,Flat(0-5%)	OCT	0	0 .65
A,Shrub,Flat(0-5%)	.name		NOV
A,Shrub,Flat(0-5%)	NOV	0	0 .55
A,Shrub,Flat(0-5%)	.name		DEC
A,Shrub,Flat(0-5%)	DEC	0	0 .5
A,Shrub,Flat(0-5%)	.name		JAN
A,Shrub,Flat(0-5%)	JAN	0	0 .13
A,Shrub,Flat(0-5%)	.name		FEB
A,Shrub,Flat(0-5%)	FEB	0	0 .13
A,Shrub,Flat(0-5%)	.name		MAR
A,Shrub,Flat(0-5%)	MAR	0	0 .13
A,Shrub,Flat(0-5%)	.name		APR
A,Shrub,Flat(0-5%)	APR	0	0 .14

A,Shrub,Flat(0-5%)	.name		MAY
A,Shrub,Flat(0-5%)	MAY	0	0.15
A,Shrub,Flat(0-5%)	.name		JUNE
A,Shrub,Flat(0-5%)	JUNE	0	0.15
A,Shrub,Flat(0-5%)	.name		JULY
A,Shrub,Flat(0-5%)	JULY	0	0.15
A,Shrub,Flat(0-5%)	.name		AUG
A,Shrub,Flat(0-5%)	AUG	0	0.15
A,Shrub,Flat(0-5%)	.name		SEPT
A,Shrub,Flat(0-5%)	SEPT	0	0.15
A,Shrub,Flat(0-5%)	.name		OCT
A,Shrub,Flat(0-5%)	OCT	0	0.15
A,Shrub,Flat(0-5%)	.name		NOV
A,Shrub,Flat(0-5%)	NOV	0	0.14
A,Shrub,Flat(0-5%)	.name		DEC
A,Shrub,Flat(0-5%)	DEC	0	0.13
B,Shrub,Flat(0-5%)	.pnum	0	63
B,Shrub,Flat(0-5%)	.name		NBLKS
B,Shrub,Flat(0-5%)	NBLKS	0	1
B,Shrub,Flat(0-5%)	.name		USER
B,Shrub,Flat(0-5%)	USER	0	1
B,Shrub,Flat(0-5%)	.name		IN
B,Shrub,Flat(0-5%)	IN	0	1
B,Shrub,Flat(0-5%)	.name		OUT
B,Shrub,Flat(0-5%)	OUT	0	1
B,Shrub,Flat(0-5%)	.name		ENGL
B,Shrub,Flat(0-5%)	ENGL	0	27
B,Shrub,Flat(0-5%)	.name		METER
B,Shrub,Flat(0-5%)	.name		ATMP
B,Shrub,Flat(0-5%)	.name		SNOW
B,Shrub,Flat(0-5%)	.name		PWAT
B,Shrub,Flat(0-5%)	PWAT	0	1
B,Shrub,Flat(0-5%)	.name		SED
B,Shrub,Flat(0-5%)	.name		PST
B,Shrub,Flat(0-5%)	.name		PWG
B,Shrub,Flat(0-5%)	.name		PQAL
B,Shrub,Flat(0-5%)	.name		MSTL
B,Shrub,Flat(0-5%)	.name		PEST
B,Shrub,Flat(0-5%)	.name		NITR
B,Shrub,Flat(0-5%)	.name		PHOS
B,Shrub,Flat(0-5%)	.name		TRAC
B,Shrub,Flat(0-5%)	.name		ATMP2
B,Shrub,Flat(0-5%)	.name		SNOW2
B,Shrub,Flat(0-5%)	.name		PWAT2
B,Shrub,Flat(0-5%)	PWAT2	0	4
B,Shrub,Flat(0-5%)	.name		SED2
B,Shrub,Flat(0-5%)	.name		PST2
B,Shrub,Flat(0-5%)	.name		PWG2
B,Shrub,Flat(0-5%)	.name		PQAL2
B,Shrub,Flat(0-5%)	.name		MSTL2
B,Shrub,Flat(0-5%)	.name		PEST2
B,Shrub,Flat(0-5%)	.name		NITR2
B,Shrub,Flat(0-5%)	.name		PHOS2
B,Shrub,Flat(0-5%)	.name		TRAC2
B,Shrub,Flat(0-5%)	.name		PVIL
B,Shrub,Flat(0-5%)	PVIL	0	1
B,Shrub,Flat(0-5%)	.name		PYR

B,Shrub,Flat(0-5%)	PYR	0	9
B,Shrub,Flat(0-5%)	.name		CSNO
B,Shrub,Flat(0-5%)	.name		RTOP
B,Shrub,Flat(0-5%)	.name		UZFG
B,Shrub,Flat(0-5%)	.name		VCS
B,Shrub,Flat(0-5%)	VCS	0	1
B,Shrub,Flat(0-5%)	.name		VUZ
B,Shrub,Flat(0-5%)	.name		VNN
B,Shrub,Flat(0-5%)	.name		VIFW
B,Shrub,Flat(0-5%)	.name		VIRC
B,Shrub,Flat(0-5%)	.name		VLE
B,Shrub,Flat(0-5%)	VLE	0	1
B,Shrub,Flat(0-5%)	.name		INFAC
B,Shrub,Flat(0-5%)	.name		HWT
B,Shrub,Flat(0-5%)	.name		FOREST
B,Shrub,Flat(0-5%)	.name		LZSN
B,Shrub,Flat(0-5%)	LZSN	0	5
B,Shrub,Flat(0-5%)	.name		INFILT
B,Shrub,Flat(0-5%)	INFILT	0	0.07
B,Shrub,Flat(0-5%)	.name		LSUR
B,Shrub,Flat(0-5%)	LSUR	0	400
B,Shrub,Flat(0-5%)	.name		SLSUR
B,Shrub,Flat(0-5%)	SLSUR	0	0.05
B,Shrub,Flat(0-5%)	.name		KVARY
B,Shrub,Flat(0-5%)	KVARY	0	1.2
B,Shrub,Flat(0-5%)	.name		AGWRC
B,Shrub,Flat(0-5%)	AGWRC	0	0.95
B,Shrub,Flat(0-5%)	.name		PETMAX
B,Shrub,Flat(0-5%)	PETMAX	0	40
B,Shrub,Flat(0-5%)	.name		PETMIN
B,Shrub,Flat(0-5%)	PETMIN	0	35
B,Shrub,Flat(0-5%)	.name		INFEXP
B,Shrub,Flat(0-5%)	INFEXP	0	2
B,Shrub,Flat(0-5%)	.name		INFILD
B,Shrub,Flat(0-5%)	INFILD	0	2
B,Shrub,Flat(0-5%)	.name		DEEPFR
B,Shrub,Flat(0-5%)	.name		BASETP
B,Shrub,Flat(0-5%)	.name		AGWETP
B,Shrub,Flat(0-5%)	.name		CEPSC
B,Shrub,Flat(0-5%)	.name		UZSN
B,Shrub,Flat(0-5%)	UZSN	0	0.9
B,Shrub,Flat(0-5%)	.name		NSUR
B,Shrub,Flat(0-5%)	NSUR	0	0.3
B,Shrub,Flat(0-5%)	.name		INTFW
B,Shrub,Flat(0-5%)	INTFW	0	3
B,Shrub,Flat(0-5%)	.name		IRC
B,Shrub,Flat(0-5%)	IRC	0	0.7
B,Shrub,Flat(0-5%)	.name		LZETP
B,Shrub,Flat(0-5%)	.name		MELEV
B,Shrub,Flat(0-5%)	MELEV	0	400
B,Shrub,Flat(0-5%)	.name		BELV
B,Shrub,Flat(0-5%)	.name		GWDATM
B,Shrub,Flat(0-5%)	.name		PCW
B,Shrub,Flat(0-5%)	PCW	0	0.28
B,Shrub,Flat(0-5%)	.name		PGW
B,Shrub,Flat(0-5%)	PGW	0	0.3
B,Shrub,Flat(0-5%)	.name		UPGW

B,Shrub,Flat(0-5%)	UPGW	0	0.37
B,Shrub,Flat(0-5%)	.name		STABNO
B,Shrub,Flat(0-5%)	STABNO	0	1
B,Shrub,Flat(0-5%)	.name		SRRC
B,Shrub,Flat(0-5%)	SRRC	0	0.1
B,Shrub,Flat(0-5%)	.name		SREXP
B,Shrub,Flat(0-5%)	.name		IFWSC
B,Shrub,Flat(0-5%)	IFWSC	0	4
B,Shrub,Flat(0-5%)	.name		DELTA
B,Shrub,Flat(0-5%)	DELTA	0	0.2
B,Shrub,Flat(0-5%)	.name		UELFACT
B,Shrub,Flat(0-5%)	UELFACT	0	4
B,Shrub,Flat(0-5%)	.name		LELFAC
B,Shrub,Flat(0-5%)	LELFAC	0	2.5
B,Shrub,Flat(0-5%)	.name		CEPS
B,Shrub,Flat(0-5%)	.name		SURS
B,Shrub,Flat(0-5%)	.name		UZS
B,Shrub,Flat(0-5%)	UZS	0	0.01
B,Shrub,Flat(0-5%)	.name		IFWS
B,Shrub,Flat(0-5%)	.name		LZS
B,Shrub,Flat(0-5%)	LZS	0	0.5
B,Shrub,Flat(0-5%)	.name		AGWS
B,Shrub,Flat(0-5%)	AGWS	0	0.3
B,Shrub,Flat(0-5%)	.name		GWVS
B,Shrub,Flat(0-5%)	GWVS	0	0.01
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.5
B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.5
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.5
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.6
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.65
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.65
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.65
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.65
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.65
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.65
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.55
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.5
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.13
B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.13
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.13
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.14

B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.15
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.15
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.15
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.15
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.15
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.15
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.14
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.13
A,Shrub,Flat(0-5%)	.pnum	0	64
A,Shrub,Flat(0-5%)	.name		NBLKS
A,Shrub,Flat(0-5%)	NBLKS	0	1
A,Shrub,Flat(0-5%)	.name		USER
A,Shrub,Flat(0-5%)	USER	0	1
A,Shrub,Flat(0-5%)	.name		IN
A,Shrub,Flat(0-5%)	IN	0	1
A,Shrub,Flat(0-5%)	.name		OUT
A,Shrub,Flat(0-5%)	OUT	0	1
A,Shrub,Flat(0-5%)	.name		ENGL
A,Shrub,Flat(0-5%)	ENGL	0	27
A,Shrub,Flat(0-5%)	.name		METER
A,Shrub,Flat(0-5%)	.name		ATMP
A,Shrub,Flat(0-5%)	.name		SNOW
A,Shrub,Flat(0-5%)	.name		PWAT
A,Shrub,Flat(0-5%)	PWAT	0	1
A,Shrub,Flat(0-5%)	.name		SED
A,Shrub,Flat(0-5%)	.name		PST
A,Shrub,Flat(0-5%)	.name		PWG
A,Shrub,Flat(0-5%)	.name		PQAL
A,Shrub,Flat(0-5%)	.name		MSTL
A,Shrub,Flat(0-5%)	.name		PEST
A,Shrub,Flat(0-5%)	.name		NITR
A,Shrub,Flat(0-5%)	.name		PHOS
A,Shrub,Flat(0-5%)	.name		TRAC
A,Shrub,Flat(0-5%)	.name		ATMP2
A,Shrub,Flat(0-5%)	.name		SNOW2
A,Shrub,Flat(0-5%)	.name		PWAT2
A,Shrub,Flat(0-5%)	PWAT2	0	4
A,Shrub,Flat(0-5%)	.name		SED2
A,Shrub,Flat(0-5%)	.name		PST2
A,Shrub,Flat(0-5%)	.name		PWG2
A,Shrub,Flat(0-5%)	.name		PQAL2
A,Shrub,Flat(0-5%)	.name		MSTL2
A,Shrub,Flat(0-5%)	.name		PEST2
A,Shrub,Flat(0-5%)	.name		NITR2
A,Shrub,Flat(0-5%)	.name		PHOS2
A,Shrub,Flat(0-5%)	.name		TRAC2
A,Shrub,Flat(0-5%)	.name		PVIL
A,Shrub,Flat(0-5%)	PVIL	0	1
A,Shrub,Flat(0-5%)	.name		PYR

A,Shrub,Flat(0-5%)	PYR	0	9
A,Shrub,Flat(0-5%)	.name		CSNO
A,Shrub,Flat(0-5%)	.name		RTOP
A,Shrub,Flat(0-5%)	.name		UZFG
A,Shrub,Flat(0-5%)	.name		VCS
A,Shrub,Flat(0-5%)	VCS	0	1
A,Shrub,Flat(0-5%)	.name		VUZ
A,Shrub,Flat(0-5%)	.name		VNN
A,Shrub,Flat(0-5%)	.name		VIFW
A,Shrub,Flat(0-5%)	.name		VIRC
A,Shrub,Flat(0-5%)	.name		VLE
A,Shrub,Flat(0-5%)	VLE	0	1
A,Shrub,Flat(0-5%)	.name		INF C
A,Shrub,Flat(0-5%)	.name		HWT
A,Shrub,Flat(0-5%)	.name		FOREST
A,Shrub,Flat(0-5%)	.name		LZSN
A,Shrub,Flat(0-5%)	LZSN	0	5.2
A,Shrub,Flat(0-5%)	.name		INFILT
A,Shrub,Flat(0-5%)	INFILT	0	0.09
A,Shrub,Flat(0-5%)	.name		LSUR
A,Shrub,Flat(0-5%)	LSUR	0	400
A,Shrub,Flat(0-5%)	.name		SLSUR
A,Shrub,Flat(0-5%)	SLSUR	0	0.05
A,Shrub,Flat(0-5%)	.name		KVARY
A,Shrub,Flat(0-5%)	KVARY	0	0.8
A,Shrub,Flat(0-5%)	.name		AGWRC
A,Shrub,Flat(0-5%)	AGWRC	0	0.955
A,Shrub,Flat(0-5%)	.name		PETMAX
A,Shrub,Flat(0-5%)	PETMAX	0	40
A,Shrub,Flat(0-5%)	.name		PETMIN
A,Shrub,Flat(0-5%)	PETMIN	0	35
A,Shrub,Flat(0-5%)	.name		INFEXP
A,Shrub,Flat(0-5%)	INFEXP	0	2
A,Shrub,Flat(0-5%)	.name		INFILD
A,Shrub,Flat(0-5%)	INFILD	0	2
A,Shrub,Flat(0-5%)	.name		DEEPFR
A,Shrub,Flat(0-5%)	.name		BASETP
A,Shrub,Flat(0-5%)	.name		AGWETP
A,Shrub,Flat(0-5%)	.name		CEPSC
A,Shrub,Flat(0-5%)	.name		UZSN
A,Shrub,Flat(0-5%)	UZSN	0	0.9
A,Shrub,Flat(0-5%)	.name		NSUR
A,Shrub,Flat(0-5%)	NSUR	0	0.3
A,Shrub,Flat(0-5%)	.name		INTFW
A,Shrub,Flat(0-5%)	INTFW	0	4
A,Shrub,Flat(0-5%)	.name		IRC
A,Shrub,Flat(0-5%)	IRC	0	0.7
A,Shrub,Flat(0-5%)	.name		LZETP
A,Shrub,Flat(0-5%)	.name		MELEV
A,Shrub,Flat(0-5%)	MELEV	0	400
A,Shrub,Flat(0-5%)	.name		BELV
A,Shrub,Flat(0-5%)	.name		GWDATM
A,Shrub,Flat(0-5%)	.name		PCW
A,Shrub,Flat(0-5%)	PCW	0	0.33
A,Shrub,Flat(0-5%)	.name		PGW
A,Shrub,Flat(0-5%)	PGW	0	0.35
A,Shrub,Flat(0-5%)	.name		UPGW

A,Shrub,Flat(0-5%)	UPGW	0	0 .42
A,Shrub,Flat(0-5%)	.name		STABNO
A,Shrub,Flat(0-5%)	STABNO	0	1
A,Shrub,Flat(0-5%)	.name		SRRC
A,Shrub,Flat(0-5%)	SRRCC	0	0 .1
A,Shrub,Flat(0-5%)	.name		SREXP
A,Shrub,Flat(0-5%)	.name		IFWSC
A,Shrub,Flat(0-5%)	IFWSC	0	4
A,Shrub,Flat(0-5%)	.name		DELTA
A,Shrub,Flat(0-5%)	DELTA	0	0 .2
A,Shrub,Flat(0-5%)	.name		UELFC
A,Shrub,Flat(0-5%)	UELFC	0	4
A,Shrub,Flat(0-5%)	.name		LELFAC
A,Shrub,Flat(0-5%)	LELFAC	0	2 .5
A,Shrub,Flat(0-5%)	.name		CEPS
A,Shrub,Flat(0-5%)	.name		SURS
A,Shrub,Flat(0-5%)	.name		UZS
A,Shrub,Flat(0-5%)	UZS	0	0 .01
A,Shrub,Flat(0-5%)	.name		IFWS
A,Shrub,Flat(0-5%)	.name		LZS
A,Shrub,Flat(0-5%)	LZS	0	0 .5
A,Shrub,Flat(0-5%)	.name		AGWS
A,Shrub,Flat(0-5%)	AGWS	0	0 .3
A,Shrub,Flat(0-5%)	.name		GWVS
A,Shrub,Flat(0-5%)	GWVS	0	0 .01
A,Shrub,Flat(0-5%)	.name		JAN
A,Shrub,Flat(0-5%)	JAN	0	0 .5
A,Shrub,Flat(0-5%)	.name		FEB
A,Shrub,Flat(0-5%)	FEB	0	0 .5
A,Shrub,Flat(0-5%)	.name		MAR
A,Shrub,Flat(0-5%)	MAR	0	0 .5
A,Shrub,Flat(0-5%)	.name		APR
A,Shrub,Flat(0-5%)	APR	0	0 .6
A,Shrub,Flat(0-5%)	.name		MAY
A,Shrub,Flat(0-5%)	MAY	0	0 .65
A,Shrub,Flat(0-5%)	.name		JUNE
A,Shrub,Flat(0-5%)	JUNE	0	0 .65
A,Shrub,Flat(0-5%)	.name		JULY
A,Shrub,Flat(0-5%)	JULY	0	0 .65
A,Shrub,Flat(0-5%)	.name		AUG
A,Shrub,Flat(0-5%)	AUG	0	0 .65
A,Shrub,Flat(0-5%)	.name		SEPT
A,Shrub,Flat(0-5%)	SEPT	0	0 .65
A,Shrub,Flat(0-5%)	.name		OCT
A,Shrub,Flat(0-5%)	OCT	0	0 .65
A,Shrub,Flat(0-5%)	.name		NOV
A,Shrub,Flat(0-5%)	NOV	0	0 .55
A,Shrub,Flat(0-5%)	.name		DEC
A,Shrub,Flat(0-5%)	DEC	0	0 .5
A,Shrub,Flat(0-5%)	.name		JAN
A,Shrub,Flat(0-5%)	JAN	0	0 .13
A,Shrub,Flat(0-5%)	.name		FEB
A,Shrub,Flat(0-5%)	FEB	0	0 .13
A,Shrub,Flat(0-5%)	.name		MAR
A,Shrub,Flat(0-5%)	MAR	0	0 .13
A,Shrub,Flat(0-5%)	.name		APR
A,Shrub,Flat(0-5%)	APR	0	0 .14

A,Shrub,Flat(0-5%)	.name		MAY
A,Shrub,Flat(0-5%)	MAY	0	0.15
A,Shrub,Flat(0-5%)	.name		JUNE
A,Shrub,Flat(0-5%)	JUNE	0	0.15
A,Shrub,Flat(0-5%)	.name		JULY
A,Shrub,Flat(0-5%)	JULY	0	0.15
A,Shrub,Flat(0-5%)	.name		AUG
A,Shrub,Flat(0-5%)	AUG	0	0.15
A,Shrub,Flat(0-5%)	.name		SEPT
A,Shrub,Flat(0-5%)	SEPT	0	0.15
A,Shrub,Flat(0-5%)	.name		OCT
A,Shrub,Flat(0-5%)	OCT	0	0.15
A,Shrub,Flat(0-5%)	.name		NOV
A,Shrub,Flat(0-5%)	NOV	0	0.14
A,Shrub,Flat(0-5%)	.name		DEC
A,Shrub,Flat(0-5%)	DEC	0	0.13
B,Shrub,Flat(0-5%)	.pnum	0	65
B,Shrub,Flat(0-5%)	.name		NBLKS
B,Shrub,Flat(0-5%)	NBLKS	0	1
B,Shrub,Flat(0-5%)	.name		USER
B,Shrub,Flat(0-5%)	USER	0	1
B,Shrub,Flat(0-5%)	.name		IN
B,Shrub,Flat(0-5%)	IN	0	1
B,Shrub,Flat(0-5%)	.name		OUT
B,Shrub,Flat(0-5%)	OUT	0	1
B,Shrub,Flat(0-5%)	.name		ENGL
B,Shrub,Flat(0-5%)	ENGL	0	27
B,Shrub,Flat(0-5%)	.name		METER
B,Shrub,Flat(0-5%)	.name		ATMP
B,Shrub,Flat(0-5%)	.name		SNOW
B,Shrub,Flat(0-5%)	.name		PWAT
B,Shrub,Flat(0-5%)	PWAT	0	1
B,Shrub,Flat(0-5%)	.name		SED
B,Shrub,Flat(0-5%)	.name		PST
B,Shrub,Flat(0-5%)	.name		PWG
B,Shrub,Flat(0-5%)	.name		PQAL
B,Shrub,Flat(0-5%)	.name		MSTL
B,Shrub,Flat(0-5%)	.name		PEST
B,Shrub,Flat(0-5%)	.name		NITR
B,Shrub,Flat(0-5%)	.name		PHOS
B,Shrub,Flat(0-5%)	.name		TRAC
B,Shrub,Flat(0-5%)	.name		ATMP2
B,Shrub,Flat(0-5%)	.name		SNOW2
B,Shrub,Flat(0-5%)	.name		PWAT2
B,Shrub,Flat(0-5%)	PWAT2	0	4
B,Shrub,Flat(0-5%)	.name		SED2
B,Shrub,Flat(0-5%)	.name		PST2
B,Shrub,Flat(0-5%)	.name		PWG2
B,Shrub,Flat(0-5%)	.name		PQAL2
B,Shrub,Flat(0-5%)	.name		MSTL2
B,Shrub,Flat(0-5%)	.name		PEST2
B,Shrub,Flat(0-5%)	.name		NITR2
B,Shrub,Flat(0-5%)	.name		PHOS2
B,Shrub,Flat(0-5%)	.name		TRAC2
B,Shrub,Flat(0-5%)	.name		PVIL
B,Shrub,Flat(0-5%)	PVIL	0	1
B,Shrub,Flat(0-5%)	.name		PYR

B,Shrub,Flat(0-5%)	PYR	0	9
B,Shrub,Flat(0-5%)	.name		CSNO
B,Shrub,Flat(0-5%)	.name		RTOP
B,Shrub,Flat(0-5%)	.name		UZFG
B,Shrub,Flat(0-5%)	.name		VCS
B,Shrub,Flat(0-5%)	VCS	0	1
B,Shrub,Flat(0-5%)	.name		VUZ
B,Shrub,Flat(0-5%)	.name		VNN
B,Shrub,Flat(0-5%)	.name		VIFW
B,Shrub,Flat(0-5%)	.name		VIRC
B,Shrub,Flat(0-5%)	.name		VLE
B,Shrub,Flat(0-5%)	VLE	0	1
B,Shrub,Flat(0-5%)	.name		INFAC
B,Shrub,Flat(0-5%)	.name		HWT
B,Shrub,Flat(0-5%)	.name		FOREST
B,Shrub,Flat(0-5%)	.name		LZSN
B,Shrub,Flat(0-5%)	LZSN	0	5
B,Shrub,Flat(0-5%)	.name		INFILT
B,Shrub,Flat(0-5%)	INFILT	0	0.07
B,Shrub,Flat(0-5%)	.name		LSUR
B,Shrub,Flat(0-5%)	LSUR	0	400
B,Shrub,Flat(0-5%)	.name		SLSUR
B,Shrub,Flat(0-5%)	SLSUR	0	0.05
B,Shrub,Flat(0-5%)	.name		KVARY
B,Shrub,Flat(0-5%)	KVARY	0	1.2
B,Shrub,Flat(0-5%)	.name		AGWRC
B,Shrub,Flat(0-5%)	AGWRC	0	0.95
B,Shrub,Flat(0-5%)	.name		PETMAX
B,Shrub,Flat(0-5%)	PETMAX	0	40
B,Shrub,Flat(0-5%)	.name		PETMIN
B,Shrub,Flat(0-5%)	PETMIN	0	35
B,Shrub,Flat(0-5%)	.name		INFEXP
B,Shrub,Flat(0-5%)	INFEXP	0	2
B,Shrub,Flat(0-5%)	.name		INFILD
B,Shrub,Flat(0-5%)	INFILD	0	2
B,Shrub,Flat(0-5%)	.name		DEEPFR
B,Shrub,Flat(0-5%)	.name		BASETP
B,Shrub,Flat(0-5%)	.name		AGWETP
B,Shrub,Flat(0-5%)	.name		CEPSC
B,Shrub,Flat(0-5%)	.name		UZSN
B,Shrub,Flat(0-5%)	UZSN	0	0.9
B,Shrub,Flat(0-5%)	.name		NSUR
B,Shrub,Flat(0-5%)	NSUR	0	0.3
B,Shrub,Flat(0-5%)	.name		INTFW
B,Shrub,Flat(0-5%)	INTFW	0	3
B,Shrub,Flat(0-5%)	.name		IRC
B,Shrub,Flat(0-5%)	IRC	0	0.7
B,Shrub,Flat(0-5%)	.name		LZETP
B,Shrub,Flat(0-5%)	.name		MELEV
B,Shrub,Flat(0-5%)	MELEV	0	400
B,Shrub,Flat(0-5%)	.name		BELV
B,Shrub,Flat(0-5%)	.name		GWDATM
B,Shrub,Flat(0-5%)	.name		PCW
B,Shrub,Flat(0-5%)	PCW	0	0.28
B,Shrub,Flat(0-5%)	.name		PGW
B,Shrub,Flat(0-5%)	PGW	0	0.3
B,Shrub,Flat(0-5%)	.name		UPGW

B,Shrub,Flat(0-5%)	UPGW	0	0.37
B,Shrub,Flat(0-5%)	.name		STABNO
B,Shrub,Flat(0-5%)	STABNO	0	1
B,Shrub,Flat(0-5%)	.name		SRRC
B,Shrub,Flat(0-5%)	SRRC	0	0.1
B,Shrub,Flat(0-5%)	.name		SREXP
B,Shrub,Flat(0-5%)	.name		IFWSC
B,Shrub,Flat(0-5%)	IFWSC	0	4
B,Shrub,Flat(0-5%)	.name		DELTA
B,Shrub,Flat(0-5%)	DELTA	0	0.2
B,Shrub,Flat(0-5%)	.name		UEL FAC
B,Shrub,Flat(0-5%)	UEL FAC	0	4
B,Shrub,Flat(0-5%)	.name		LELFAC
B,Shrub,Flat(0-5%)	LELFAC	0	2.5
B,Shrub,Flat(0-5%)	.name		CEPS
B,Shrub,Flat(0-5%)	.name		SURS
B,Shrub,Flat(0-5%)	.name		UZS
B,Shrub,Flat(0-5%)	UZS	0	0.01
B,Shrub,Flat(0-5%)	.name		IFWS
B,Shrub,Flat(0-5%)	.name		LZS
B,Shrub,Flat(0-5%)	LZS	0	0.5
B,Shrub,Flat(0-5%)	.name		AGWS
B,Shrub,Flat(0-5%)	AGWS	0	0.3
B,Shrub,Flat(0-5%)	.name		GWVS
B,Shrub,Flat(0-5%)	GWVS	0	0.01
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.5
B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.5
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.5
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.6
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.65
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.65
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.65
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.65
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.65
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.65
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.55
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.5
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.13
B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.13
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.13
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.14

B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.15
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.15
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.15
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.15
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.15
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.15
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.14
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.13
B,Shrub,Flat(0-5%)	.pnum	0	66
B,Shrub,Flat(0-5%)	.name		NBLKS
B,Shrub,Flat(0-5%)	NBLKS	0	1
B,Shrub,Flat(0-5%)	.name		USER
B,Shrub,Flat(0-5%)	USER	0	1
B,Shrub,Flat(0-5%)	.name		IN
B,Shrub,Flat(0-5%)	IN	0	1
B,Shrub,Flat(0-5%)	.name		OUT
B,Shrub,Flat(0-5%)	OUT	0	1
B,Shrub,Flat(0-5%)	.name		ENGL
B,Shrub,Flat(0-5%)	ENGL	0	27
B,Shrub,Flat(0-5%)	.name		METER
B,Shrub,Flat(0-5%)	.name		ATMP
B,Shrub,Flat(0-5%)	.name		SNOW
B,Shrub,Flat(0-5%)	.name		PWAT
B,Shrub,Flat(0-5%)	PWAT	0	1
B,Shrub,Flat(0-5%)	.name		SED
B,Shrub,Flat(0-5%)	.name		PST
B,Shrub,Flat(0-5%)	.name		PWG
B,Shrub,Flat(0-5%)	.name		PQAL
B,Shrub,Flat(0-5%)	.name		MSTL
B,Shrub,Flat(0-5%)	.name		PEST
B,Shrub,Flat(0-5%)	.name		NITR
B,Shrub,Flat(0-5%)	.name		PHOS
B,Shrub,Flat(0-5%)	.name		TRAC
B,Shrub,Flat(0-5%)	.name		ATMP2
B,Shrub,Flat(0-5%)	.name		SNOW2
B,Shrub,Flat(0-5%)	.name		PWAT2
B,Shrub,Flat(0-5%)	PWAT2	0	4
B,Shrub,Flat(0-5%)	.name		SED2
B,Shrub,Flat(0-5%)	.name		PST2
B,Shrub,Flat(0-5%)	.name		PWG2
B,Shrub,Flat(0-5%)	.name		PQAL2
B,Shrub,Flat(0-5%)	.name		MSTL2
B,Shrub,Flat(0-5%)	.name		PEST2
B,Shrub,Flat(0-5%)	.name		NITR2
B,Shrub,Flat(0-5%)	.name		PHOS2
B,Shrub,Flat(0-5%)	.name		TRAC2
B,Shrub,Flat(0-5%)	.name		PVIL
B,Shrub,Flat(0-5%)	PVIL	0	1
B,Shrub,Flat(0-5%)	.name		PYR

B,Shrub,Flat(0-5%)	PYR	0	9
B,Shrub,Flat(0-5%)	.name		CSNO
B,Shrub,Flat(0-5%)	.name		RTOP
B,Shrub,Flat(0-5%)	.name		UZFG
B,Shrub,Flat(0-5%)	.name		VCS
B,Shrub,Flat(0-5%)	VCS	0	1
B,Shrub,Flat(0-5%)	.name		VUZ
B,Shrub,Flat(0-5%)	.name		VNN
B,Shrub,Flat(0-5%)	.name		VIFW
B,Shrub,Flat(0-5%)	.name		VIRC
B,Shrub,Flat(0-5%)	.name		VLE
B,Shrub,Flat(0-5%)	VLE	0	1
B,Shrub,Flat(0-5%)	.name		INFAC
B,Shrub,Flat(0-5%)	.name		HWT
B,Shrub,Flat(0-5%)	.name		FOREST
B,Shrub,Flat(0-5%)	.name		LZSN
B,Shrub,Flat(0-5%)	LZSN	0	5
B,Shrub,Flat(0-5%)	.name		INFILT
B,Shrub,Flat(0-5%)	INFILT	0	0.07
B,Shrub,Flat(0-5%)	.name		LSUR
B,Shrub,Flat(0-5%)	LSUR	0	400
B,Shrub,Flat(0-5%)	.name		SLSUR
B,Shrub,Flat(0-5%)	SLSUR	0	0.05
B,Shrub,Flat(0-5%)	.name		KVARY
B,Shrub,Flat(0-5%)	KVARY	0	1.2
B,Shrub,Flat(0-5%)	.name		AGWRC
B,Shrub,Flat(0-5%)	AGWRC	0	0.95
B,Shrub,Flat(0-5%)	.name		PETMAX
B,Shrub,Flat(0-5%)	PETMAX	0	40
B,Shrub,Flat(0-5%)	.name		PETMIN
B,Shrub,Flat(0-5%)	PETMIN	0	35
B,Shrub,Flat(0-5%)	.name		INFEXP
B,Shrub,Flat(0-5%)	INFEXP	0	2
B,Shrub,Flat(0-5%)	.name		INFILD
B,Shrub,Flat(0-5%)	INFILD	0	2
B,Shrub,Flat(0-5%)	.name		DEEPFR
B,Shrub,Flat(0-5%)	.name		BASETP
B,Shrub,Flat(0-5%)	.name		AGWETP
B,Shrub,Flat(0-5%)	.name		CEPSC
B,Shrub,Flat(0-5%)	.name		UZSN
B,Shrub,Flat(0-5%)	UZSN	0	0.9
B,Shrub,Flat(0-5%)	.name		NSUR
B,Shrub,Flat(0-5%)	NSUR	0	0.3
B,Shrub,Flat(0-5%)	.name		INTFW
B,Shrub,Flat(0-5%)	INTFW	0	3
B,Shrub,Flat(0-5%)	.name		IRC
B,Shrub,Flat(0-5%)	IRC	0	0.7
B,Shrub,Flat(0-5%)	.name		LZETP
B,Shrub,Flat(0-5%)	.name		MELEV
B,Shrub,Flat(0-5%)	MELEV	0	400
B,Shrub,Flat(0-5%)	.name		BELV
B,Shrub,Flat(0-5%)	.name		GWDATM
B,Shrub,Flat(0-5%)	.name		PCW
B,Shrub,Flat(0-5%)	PCW	0	0.28
B,Shrub,Flat(0-5%)	.name		PGW
B,Shrub,Flat(0-5%)	PGW	0	0.3
B,Shrub,Flat(0-5%)	.name		UPGW

B,Shrub,Flat(0-5%)	UPGW	0	0.37
B,Shrub,Flat(0-5%)	.name		STABNO
B,Shrub,Flat(0-5%)	STABNO	0	1
B,Shrub,Flat(0-5%)	.name		SRRC
B,Shrub,Flat(0-5%)	SRRC	0	0.1
B,Shrub,Flat(0-5%)	.name		SREXP
B,Shrub,Flat(0-5%)	.name		IFWSC
B,Shrub,Flat(0-5%)	IFWSC	0	4
B,Shrub,Flat(0-5%)	.name		DELTA
B,Shrub,Flat(0-5%)	DELTA	0	0.2
B,Shrub,Flat(0-5%)	.name		UEL FAC
B,Shrub,Flat(0-5%)	UEL FAC	0	4
B,Shrub,Flat(0-5%)	.name		LELFAC
B,Shrub,Flat(0-5%)	LELFAC	0	2.5
B,Shrub,Flat(0-5%)	.name		CEPS
B,Shrub,Flat(0-5%)	.name		SURS
B,Shrub,Flat(0-5%)	.name		UZS
B,Shrub,Flat(0-5%)	UZS	0	0.01
B,Shrub,Flat(0-5%)	.name		IFWS
B,Shrub,Flat(0-5%)	.name		LZS
B,Shrub,Flat(0-5%)	LZS	0	0.5
B,Shrub,Flat(0-5%)	.name		AGWS
B,Shrub,Flat(0-5%)	AGWS	0	0.3
B,Shrub,Flat(0-5%)	.name		GWVS
B,Shrub,Flat(0-5%)	GWVS	0	0.01
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.5
B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.5
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.5
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.6
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.65
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.65
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.65
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.65
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.65
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.65
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.55
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.5
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.13
B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.13
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.13
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.14

B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.15
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.15
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.15
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.15
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.15
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.15
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.14
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.13

Implnd changes.

Name	Property	Original	Changed
Roof Area LAT	.pnum	0	18
Roof Area LAT	.Name		USER
Roof Area LAT	USER	0	1
Roof Area LAT	.Name		IN
Roof Area LAT	IN	0	1
Roof Area LAT	.Name		OUT
Roof Area LAT	OUT	0	1
Roof Area LAT	.Name		ENGL
Roof Area LAT	ENGL	0	27
Roof Area LAT	.Name		METER
Roof Area LAT	.Name		ATMP
Roof Area LAT	.Name		SNOW
Roof Area LAT	.Name		IWAT
Roof Area LAT	IWAT	0	1
Roof Area LAT	.Name		SLD
Roof Area LAT	.Name		IWG
Roof Area LAT	.Name		IQAL
Roof Area LAT	.Name		ATMP2
Roof Area LAT	.Name		SNOW2
Roof Area LAT	.Name		IWAT2
Roof Area LAT	IWAT2	0	4
Roof Area LAT	.Name		SLD2
Roof Area LAT	.Name		IWG2
Roof Area LAT	.Name		IQAL2
Roof Area LAT	.Name		PVIL
Roof Area LAT	PVIL	0	1
Roof Area LAT	.Name		PYR
Roof Area LAT	PYR	0	9
Roof Area LAT	.Name		CSNO
Roof Area LAT	.Name		RTOP
Roof Area LAT	.Name		VRS
Roof Area LAT	.Name		VNN
Roof Area LAT	.Name		RTLI
Roof Area LAT	.Name		LSUR
Roof Area LAT	LSUR	0	100
Roof Area LAT	.Name		SLSUR
Roof Area LAT	SLSUR	0	0.05
Roof Area LAT	.Name		NSUR

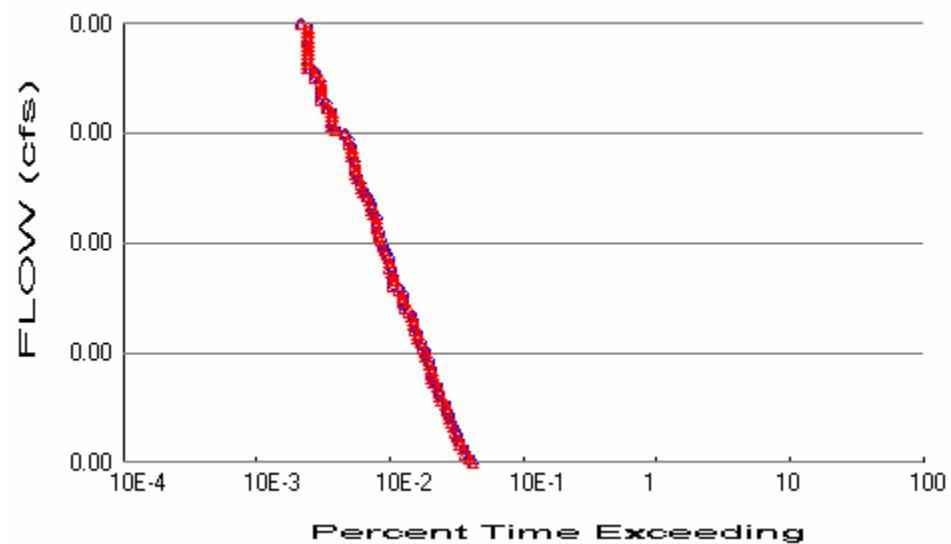
Roof Area LAT	NSUR	0	0.1
Roof Area LAT	.Name		RETSC
Roof Area LAT	RETSC	0	0.1
Roof Area LAT	.Name		PETMAX
Roof Area LAT	.Name		PETMIN
Roof Area LAT	.Name		RETS
Roof Area LAT	.Name		SURS
Roof Area LAT	.pnum	0	19
Roof Area LAT	.Name		USER
Roof Area LAT	USER	0	1
Roof Area LAT	.Name		IN
Roof Area LAT	IN	0	1
Roof Area LAT	.Name		OUT
Roof Area LAT	OUT	0	1
Roof Area LAT	.Name		ENGL
Roof Area LAT	ENGL	0	27
Roof Area LAT	.Name		METER
Roof Area LAT	.Name		ATMP
Roof Area LAT	.Name		SNOW
Roof Area LAT	.Name		IWAT
Roof Area LAT	IWAT	0	1
Roof Area LAT	.Name		SLD
Roof Area LAT	.Name		IWG
Roof Area LAT	.Name		IQAL
Roof Area LAT	.Name		ATMP2
Roof Area LAT	.Name		SNOW2
Roof Area LAT	.Name		IWAT2
Roof Area LAT	IWAT2	0	4
Roof Area LAT	.Name		SLD2
Roof Area LAT	.Name		IWG2
Roof Area LAT	.Name		IQAL2
Roof Area LAT	.Name		PVIL
Roof Area LAT	PVIL	0	1
Roof Area LAT	.Name		PYR
Roof Area LAT	PYR	0	9
Roof Area LAT	.Name		CSNO
Roof Area LAT	.Name		RTOP
Roof Area LAT	.Name		VRS
Roof Area LAT	.Name		VNN
Roof Area LAT	.Name		RTLI
Roof Area LAT	.Name		LSUR
Roof Area LAT	LSUR	0	100
Roof Area LAT	.Name		SLSUR
Roof Area LAT	SLSUR	0	0.05
Roof Area LAT	.Name		NSUR
Roof Area LAT	NSUR	0	0.1
Roof Area LAT	.Name		RETSC
Roof Area LAT	RETSC	0	0.1
Roof Area LAT	.Name		PETMAX
Roof Area LAT	.Name		PETMIN
Roof Area LAT	.Name		RETS
Roof Area LAT	.Name		SURS
Roof Area LAT	.pnum	0	20
Roof Area LAT	.Name		USER
Roof Area LAT	USER	0	1
Roof Area LAT	.Name		IN
Roof Area LAT	IN	0	1

Roof Area LAT	.Name		OUT
Roof Area LAT	OUT	0	1
Roof Area LAT	.Name		ENGL
Roof Area LAT	ENGL	0	27
Roof Area LAT	.Name		METER
Roof Area LAT	.Name		ATMP
Roof Area LAT	.Name		SNOW
Roof Area LAT	.Name		IWAT
Roof Area LAT	IWAT	0	1
Roof Area LAT	.Name		SLD
Roof Area LAT	.Name		IWG
Roof Area LAT	.Name		IQAL
Roof Area LAT	.Name		ATMP2
Roof Area LAT	.Name		SNOW2
Roof Area LAT	.Name		IWAT2
Roof Area LAT	IWAT2	0	4
Roof Area LAT	.Name		SLD2
Roof Area LAT	.Name		IWG2
Roof Area LAT	.Name		IQAL2
Roof Area LAT	.Name		PVIL
Roof Area LAT	PVIL	0	1
Roof Area LAT	.Name		PYR
Roof Area LAT	PYR	0	9
Roof Area LAT	.Name		CSNO
Roof Area LAT	.Name		RTOP
Roof Area LAT	.Name		VRS
Roof Area LAT	.Name		VNN
Roof Area LAT	.Name		RTLI
Roof Area LAT	.Name		LSUR
Roof Area LAT	LSUR	0	100
Roof Area LAT	.Name		SLSUR
Roof Area LAT	SLSUR	0	0.05
Roof Area LAT	.Name		NSUR
Roof Area LAT	NSUR	0	0.1
Roof Area LAT	.Name		RETSC
Roof Area LAT	RETSC	0	0.1
Roof Area LAT	.Name		PETMAX
Roof Area LAT	.Name		PETMIN
Roof Area LAT	.Name		RETS
Roof Area LAT	.Name		SURS

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# **POC 300**



**San Diego Hydrology Model  
PROJECT REPORT**

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**Project Name:** Basin300

**Site Address:**

**City** : Borrego, CA

**Report Date** : 4/15/2010

**Gage** : San Diego Airport

**Data Start** : 1963/08/08

**Data End** : 2001/01/28

**Precip Scale:** 0.80

**SDHM Version:**

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**PREDEVELOPED LAND USE**

**Name** : Lateral I Basin 1

**Bypass:** No

<b>Impervious Land Use</b>	<b>Acres</b>
<b>Roof Area LAT</b>	<b>0.139</b>

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**Element Flows To:**

**Outlet 1**                   **Outlet 2**

Lateral Basin 1,

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**Name** : Lateral Basin 1

**Bypass:** No

**GroundWater:** No

<b>Pervious Land Use</b>	<b>Acres</b>
B,Shrub,Flat(0-5%)	4.531

**Element Flows To:**

**Surface**                   **Interflow**                   **Groundwater**

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**Name** : EX Impervious

**Bypass:** No

<b>Impervious Land Use</b>	<b>Acres</b>
<b>Roof Area LAT</b>	<b>0.139</b>

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**Element Flows To:**

**Outlet 1**                   **Outlet 2**

PR Type B Soils,

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**Name** : PR Type B Soils

**Bypass:** No

**GroundWater:** No

<b>Pervious Land Use</b>	<b>Acres</b>
B,Shrub,Flat(0-5%)	4.32

**Element Flows To:**

Surface	Interflow	Groundwater
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Name : PR Impervious

**Bypass:** No

<b>Impervious Land Use</b>	<b>Acres</b>
Roof Area LAT	0.001

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**Element Flows To:**

Outlet 1	Outlet 2
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Buffer Area,

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Name : Gravel Trench Bed 1

Bottom Length: 150ft.

Bottom Width : 3ft.

Trench bottom slope 1: 0.0001 To 1

Trench Left side slope 0: 0 To 1

Trench right side slope 2: 0 To 1

Material thickness of first layer : 3

Pour Space of material for first layer : 0.33

Material thickness of second layer : 0

Pour Space of material for second layer : 0

Material thickness of third layer : 0

Pour Space of material for third layer : 0

Infiltration On

Infiltration rate : 0.33

Infiltration saftey factor : 1

**Discharge Structure**

Riser Height: 2.5 ft.

Riser Diameter: 36 in.

**Element Flows To:**

Outlet 1	Outlet 2
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**Gravel Trench Bed Hydraulic Table**

Stage(ft)	Area(acr)	Volume(acr-ft)	Dschrg(cfs)	Infilt(cfs)
0.000	0.010	0.000	0.000	0.000
0.033	0.010	0.000	0.000	0.003
0.067	0.010	0.000	0.000	0.003
0.100	0.010	0.000	0.000	0.003
0.133	0.010	0.000	0.000	0.003

0.167	0.010	0.001	0.000	0.003
0.200	0.010	0.001	0.000	0.003
0.233	0.010	0.001	0.000	0.003
0.267	0.010	0.001	0.000	0.003
0.300	0.010	0.001	0.000	0.003
0.333	0.010	0.001	0.000	0.003
0.367	0.010	0.001	0.000	0.003
0.400	0.010	0.001	0.000	0.003
0.433	0.010	0.001	0.000	0.003
0.467	0.010	0.002	0.000	0.003
0.500	0.010	0.002	0.000	0.003
0.533	0.010	0.002	0.000	0.003
0.567	0.010	0.002	0.000	0.003
0.600	0.010	0.002	0.000	0.003
0.633	0.010	0.002	0.000	0.003
0.667	0.010	0.002	0.000	0.003
0.700	0.010	0.002	0.000	0.003
0.733	0.010	0.003	0.000	0.003
0.767	0.010	0.003	0.000	0.003
0.800	0.010	0.003	0.000	0.003
0.833	0.010	0.003	0.000	0.003
0.867	0.010	0.003	0.000	0.003
0.900	0.010	0.003	0.000	0.003
0.933	0.010	0.003	0.000	0.003
0.967	0.010	0.003	0.000	0.003
1.000	0.010	0.003	0.000	0.003
1.033	0.010	0.004	0.000	0.003
1.067	0.010	0.004	0.000	0.003
1.100	0.010	0.004	0.000	0.003
1.133	0.010	0.004	0.000	0.003
1.167	0.010	0.004	0.000	0.003
1.200	0.010	0.004	0.000	0.003
1.233	0.010	0.004	0.000	0.003
1.267	0.010	0.004	0.000	0.003
1.300	0.010	0.004	0.000	0.003
1.333	0.010	0.005	0.000	0.003
1.367	0.010	0.005	0.000	0.003
1.400	0.010	0.005	0.000	0.003
1.433	0.010	0.005	0.000	0.003
1.467	0.010	0.005	0.000	0.003
1.500	0.010	0.005	0.000	0.003
1.533	0.010	0.005	0.000	0.003
1.567	0.010	0.005	0.000	0.003
1.600	0.010	0.005	0.000	0.003
1.633	0.010	0.006	0.000	0.003
1.667	0.010	0.006	0.000	0.003
1.700	0.010	0.006	0.000	0.003
1.733	0.010	0.006	0.000	0.003
1.767	0.010	0.006	0.000	0.003
1.800	0.010	0.006	0.000	0.003
1.833	0.010	0.006	0.000	0.003
1.867	0.010	0.006	0.000	0.003
1.900	0.010	0.006	0.000	0.003
1.933	0.010	0.007	0.000	0.003
1.967	0.010	0.007	0.000	0.003
2.000	0.010	0.007	0.000	0.003
2.033	0.010	0.007	0.000	0.003

2.067	0.010	0.007	0.000	0.003
2.100	0.010	0.007	0.000	0.003
2.133	0.010	0.007	0.000	0.003
2.167	0.010	0.007	0.000	0.003
2.200	0.010	0.008	0.000	0.003
2.233	0.010	0.008	0.000	0.003
2.267	0.010	0.008	0.000	0.003
2.300	0.010	0.008	0.000	0.003
2.333	0.010	0.008	0.000	0.003
2.367	0.010	0.008	0.000	0.003
2.400	0.010	0.008	0.000	0.003
2.433	0.010	0.008	0.000	0.003
2.467	0.010	0.008	0.000	0.003
2.500	0.010	0.009	0.000	0.003
2.533	0.010	0.009	0.178	0.003
2.567	0.010	0.009	0.503	0.003
2.600	0.010	0.009	0.924	0.003
2.633	0.010	0.009	1.422	0.003
2.667	0.010	0.009	1.988	0.003
2.700	0.010	0.009	2.613	0.003
2.733	0.010	0.009	3.293	0.003
2.767	0.010	0.009	4.023	0.003
2.800	0.010	0.010	4.801	0.003
2.833	0.010	0.010	5.623	0.003
2.867	0.010	0.010	6.487	0.003
2.900	0.010	0.010	7.391	0.003
2.933	0.010	0.010	8.334	0.003
2.967	0.010	0.010	9.314	0.003
3.000	0.010	0.010	10.33	0.003

---

Name : Buffer Area

Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>Acres</u>
B,Shrub,Flat(0-5%)	.2

Element Flows To:

Surface	Interflow	Groundwater
Gravel Trench Bed 1,	Gravel Trench Bed 1,	

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#### MITIGATED LAND USE

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#### ANALYSIS RESULTS

Flow Frequency Return Periods for Predeveloped. POC #1

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	0.000086
5 year	0.000574
10 year	0.000793
25 year	0.095682

**Flow Frequency Return Periods for Mitigated. POC #1**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	0.000083
5 year	0.00055
10 year	0.00076
25 year	0.09192

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**Yearly Peaks for Predeveloped and Mitigated. POC #1**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1965	0.000	0.000
1966	0.000	0.000
1967	0.000	0.000
1968	0.000	0.000
1969	0.000	0.000
1970	0.000	0.000
1971	0.000	0.000
1972	0.000	0.000
1973	0.000	0.000
1974	0.000	0.000
1975	0.000	0.000
1976	0.001	0.001
1977	0.333	0.320
1978	0.000	0.000
1979	0.001	0.001
1980	0.001	0.001
1981	0.001	0.001
1982	0.000	0.000
1983	0.000	0.000
1984	0.002	0.002
1985	0.000	0.000
1986	0.000	0.000
1987	0.001	0.001
1988	0.000	0.000
1989	0.000	0.000
1990	0.000	0.000
1991	0.000	0.000
1992	0.000	0.000
1993	0.001	0.001
1994	0.000	0.000
1995	0.000	0.000
1996	0.001	0.001
1997	0.000	0.000
1998	0.000	0.000
1999	0.000	0.000
2000	0.000	0.000
2001	0.000	0.000
2002	0.000	0.000

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**Ranked Yearly Peaks for Predeveloped and Mitigated. POC #1**

<u>Rank</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1	0.3334	0.3203
2	0.0023	0.0022
3	0.0009	0.0008
4	0.0008	0.0008

5	0.0007	0.0007
6	0.0007	0.0007
7	0.0007	0.0006
8	0.0006	0.0005
9	0.0005	0.0005
10	0.0004	0.0004
11	0.0004	0.0004
12	0.0004	0.0004
13	0.0004	0.0003
14	0.0003	0.0003
15	0.0002	0.0002
16	0.0002	0.0002
17	0.0001	0.0001
18	0.0001	0.0001
19	0.0001	0.0001
20	0.0001	0.0001
21	0.0001	0.0001
22	0.0001	0.0000
23	0.0000	0.0000
24	0.0000	0.0000
25	0.0000	0.0000
26	0.0000	0.0000
27	0.0000	0.0000
28	0.0000	0.0000
29	0.0000	0.0000
30	0.0000	0.0000
31	0.0000	0.0000
32	0.0000	0.0000
33	0.0000	0.0000
34	0.0000	0.0000
35	0.0000	0.0000
36	0.0000	0.0000
37	0.0000	0.0000
38	0.0000	0.0000

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**POC #1**  
**The Facility PASSED**

**The Facility PASSED.**

Flow(CFS)	Predev	Dev	Percentage	Pass/Fail
0.0001	132	130	98	Pass
0.0001	128	123	96	Pass
0.0001	122	116	95	Pass
0.0001	116	111	95	Pass
0.0001	111	105	94	Pass
0.0001	105	104	99	Pass
0.0002	104	102	98	Pass
0.0002	102	100	98	Pass
0.0002	100	93	93	Pass
0.0002	93	91	97	Pass
0.0002	91	90	98	Pass
0.0002	91	87	95	Pass
0.0002	88	85	96	Pass
0.0002	86	83	96	Pass
0.0002	84	77	91	Pass

0.0002	80	76	95	Pass
0.0002	76	73	96	Pass
0.0002	74	72	97	Pass
0.0002	73	67	91	Pass
0.0002	72	65	90	Pass
0.0003	66	64	96	Pass
0.0003	65	64	98	Pass
0.0003	64	64	100	Pass
0.0003	64	62	96	Pass
0.0003	64	61	95	Pass
0.0003	61	57	93	Pass
0.0003	61	56	91	Pass
0.0003	58	56	96	Pass
0.0003	56	52	92	Pass
0.0003	56	51	91	Pass
0.0003	52	49	94	Pass
0.0003	51	49	96	Pass
0.0003	49	48	97	Pass
0.0003	49	45	91	Pass
0.0003	48	44	91	Pass
0.0004	45	43	95	Pass
0.0004	44	42	95	Pass
0.0004	43	39	90	Pass
0.0004	42	39	92	Pass
0.0004	40	37	92	Pass
0.0004	39	37	94	Pass
0.0004	37	35	94	Pass
0.0004	37	34	91	Pass
0.0004	36	33	91	Pass
0.0004	35	32	91	Pass
0.0004	33	31	93	Pass
0.0004	32	30	93	Pass
0.0004	31	30	96	Pass
0.0004	31	29	93	Pass
0.0005	30	29	96	Pass
0.0005	30	26	86	Pass
0.0005	29	26	89	Pass
0.0005	28	25	89	Pass
0.0005	26	25	96	Pass
0.0005	26	25	96	Pass
0.0005	25	25	100	Pass
0.0005	25	24	96	Pass
0.0005	25	22	88	Pass
0.0005	25	22	88	Pass
0.0005	25	22	88	Pass
0.0005	23	22	95	Pass
0.0005	22	20	90	Pass
0.0005	22	19	86	Pass
0.0005	22	19	86	Pass
0.0006	21	17	80	Pass
0.0006	20	17	85	Pass
0.0006	19	17	89	Pass
0.0006	19	17	89	Pass
0.0006	17	16	94	Pass
0.0006	17	16	94	Pass
0.0006	17	16	94	Pass
0.0006	16	16	100	Pass

0.0006	16	16	100	Pass
0.0006	16	16	100	Pass
0.0006	16	15	93	Pass
0.0006	16	15	93	Pass
0.0006	16	15	93	Pass
0.0006	16	14	87	Pass
0.0006	15	14	93	Pass
0.0007	15	13	86	Pass
0.0007	15	13	86	Pass
0.0007	14	13	92	Pass
0.0007	14	11	78	Pass
0.0007	13	11	84	Pass
0.0007	13	11	84	Pass
0.0007	13	11	84	Pass
0.0007	13	11	84	Pass
0.0007	11	11	100	Pass
0.0007	11	10	90	Pass
0.0007	11	8	72	Pass
0.0007	11	8	72	Pass
0.0007	11	8	72	Pass
0.0007	10	8	80	Pass
0.0007	8	8	100	Pass
0.0008	8	8	100	Pass
0.0008	8	7	87	Pass
0.0008	8	7	87	Pass
0.0008	8	6	75	Pass
0.0008	8	6	75	Pass
0.0008	8	6	75	Pass
0.0008	7	6	85	Pass

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#### Drawdown Time Results

Pond: Gravel Trench Bed 1

Days	Stage(feet)	Percent of Total Run Time
1	2.966	0.0000
2	2.966	0.0000
3	2.966	0.0000
4	2.966	0.0000
5	2.966	0.0000

Maximum Stage: 0.835

Drawdown Time: 05 00:00:10

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#### Perlnd and Implnd Changes

Total of 819 changes have been made.

Perlnd changes.

Name	Property	Original	Changed
B,Shrub,Flat(0-5%)	.pnum	0	62
B,Shrub,Flat(0-5%)	.name		NBLKS
B,Shrub,Flat(0-5%)	NBLKS	0	1
B,Shrub,Flat(0-5%)	.name		USER
B,Shrub,Flat(0-5%)	USER	0	1
B,Shrub,Flat(0-5%)	.name		IN
B,Shrub,Flat(0-5%)	IN	0	1
B,Shrub,Flat(0-5%)	.name		OUT
B,Shrub,Flat(0-5%)	OUT	0	1
B,Shrub,Flat(0-5%)	.name		ENGL

B,Shrub,Flat(0-5%)	ENGL	0	27
B,Shrub,Flat(0-5%)	.name		METER
B,Shrub,Flat(0-5%)	.name		ATMP
B,Shrub,Flat(0-5%)	.name		SNOW
B,Shrub,Flat(0-5%)	.name		PWAT
B,Shrub,Flat(0-5%)	PWAT	0	1
B,Shrub,Flat(0-5%)	.name		SED
B,Shrub,Flat(0-5%)	.name		PST
B,Shrub,Flat(0-5%)	.name		PWG
B,Shrub,Flat(0-5%)	.name		PQAL
B,Shrub,Flat(0-5%)	.name		MSTL
B,Shrub,Flat(0-5%)	.name		PEST
B,Shrub,Flat(0-5%)	.name		NITR
B,Shrub,Flat(0-5%)	.name		PHOS
B,Shrub,Flat(0-5%)	.name		TRAC
B,Shrub,Flat(0-5%)	.name		ATMP2
B,Shrub,Flat(0-5%)	.name		SNOW2
B,Shrub,Flat(0-5%)	.name		PWAT2
B,Shrub,Flat(0-5%)	PWAT2	0	4
B,Shrub,Flat(0-5%)	.name		SED2
B,Shrub,Flat(0-5%)	.name		PST2
B,Shrub,Flat(0-5%)	.name		PWG2
B,Shrub,Flat(0-5%)	.name		PQAL2
B,Shrub,Flat(0-5%)	.name		MSTL2
B,Shrub,Flat(0-5%)	.name		PEST2
B,Shrub,Flat(0-5%)	.name		NITR2
B,Shrub,Flat(0-5%)	.name		PHOS2
B,Shrub,Flat(0-5%)	.name		TRAC2
B,Shrub,Flat(0-5%)	.name		PVIL
B,Shrub,Flat(0-5%)	PVIL	0	1
B,Shrub,Flat(0-5%)	.name		PYR
B,Shrub,Flat(0-5%)	PYR	0	9
B,Shrub,Flat(0-5%)	.name		CSNO
B,Shrub,Flat(0-5%)	.name		RTOP
B,Shrub,Flat(0-5%)	.name		UZFG
B,Shrub,Flat(0-5%)	.name		VCS
B,Shrub,Flat(0-5%)	VCS	0	1
B,Shrub,Flat(0-5%)	.name		VUZ
B,Shrub,Flat(0-5%)	.name		VNN
B,Shrub,Flat(0-5%)	.name		VIFW
B,Shrub,Flat(0-5%)	.name		VIRC
B,Shrub,Flat(0-5%)	.name		VLE
B,Shrub,Flat(0-5%)	VLE	0	1
B,Shrub,Flat(0-5%)	.name		INFC
B,Shrub,Flat(0-5%)	.name		HWT
B,Shrub,Flat(0-5%)	.name		FOREST
B,Shrub,Flat(0-5%)	.name		LZSN
B,Shrub,Flat(0-5%)	LZSN	0	5
B,Shrub,Flat(0-5%)	.name		INFILT
B,Shrub,Flat(0-5%)	INFILT	0	0.07
B,Shrub,Flat(0-5%)	.name		LSUR
B,Shrub,Flat(0-5%)	LSUR	0	400
B,Shrub,Flat(0-5%)	.name		SLSUR
B,Shrub,Flat(0-5%)	SLSUR	0	0.05
B,Shrub,Flat(0-5%)	.name		KVARY
B,Shrub,Flat(0-5%)	KVARY	0	1.2
B,Shrub,Flat(0-5%)	.name		AGWRC

B,Shrub,Flat(0-5%)	AGWRC	0	0.95
B,Shrub,Flat(0-5%)	.name		PETMAX
B,Shrub,Flat(0-5%)	PETMAX	0	40
B,Shrub,Flat(0-5%)	.name		PETMIN
B,Shrub,Flat(0-5%)	PETMIN	0	35
B,Shrub,Flat(0-5%)	.name		INFEXP
B,Shrub,Flat(0-5%)	INFEXP	0	2
B,Shrub,Flat(0-5%)	.name		INFILD
B,Shrub,Flat(0-5%)	INFILD	0	2
B,Shrub,Flat(0-5%)	.name		DEEPFR
B,Shrub,Flat(0-5%)	.name		BASETP
B,Shrub,Flat(0-5%)	.name		AGWETP
B,Shrub,Flat(0-5%)	.name		CEPSC
B,Shrub,Flat(0-5%)	.name		UZSN
B,Shrub,Flat(0-5%)	UZSN	0	0.9
B,Shrub,Flat(0-5%)	.name		NSUR
B,Shrub,Flat(0-5%)	NSUR	0	0.3
B,Shrub,Flat(0-5%)	.name		INTFW
B,Shrub,Flat(0-5%)	INTFW	0	3
B,Shrub,Flat(0-5%)	.name		IRC
B,Shrub,Flat(0-5%)	IRC	0	0.7
B,Shrub,Flat(0-5%)	.name		LZETP
B,Shrub,Flat(0-5%)	.name		MELEV
B,Shrub,Flat(0-5%)	MELEV	0	400
B,Shrub,Flat(0-5%)	.name		BELV
B,Shrub,Flat(0-5%)	.name		GWDATM
B,Shrub,Flat(0-5%)	.name		PCW
B,Shrub,Flat(0-5%)	PCW	0	0.28
B,Shrub,Flat(0-5%)	.name		PGW
B,Shrub,Flat(0-5%)	PGW	0	0.3
B,Shrub,Flat(0-5%)	.name		UPGW
B,Shrub,Flat(0-5%)	UPGW	0	0.37
B,Shrub,Flat(0-5%)	.name		STABNO
B,Shrub,Flat(0-5%)	STABNO	0	1
B,Shrub,Flat(0-5%)	.name		SRRC
B,Shrub,Flat(0-5%)	SRRC	0	0.1
B,Shrub,Flat(0-5%)	.name		SREXP
B,Shrub,Flat(0-5%)	.name		IFWSC
B,Shrub,Flat(0-5%)	IFWSC	0	4
B,Shrub,Flat(0-5%)	.name		DELTA
B,Shrub,Flat(0-5%)	DELTA	0	0.2
B,Shrub,Flat(0-5%)	.name		UELFFAC
B,Shrub,Flat(0-5%)	UELFFAC	0	4
B,Shrub,Flat(0-5%)	.name		LELFFAC
B,Shrub,Flat(0-5%)	LELFFAC	0	2.5
B,Shrub,Flat(0-5%)	.name		CEPS
B,Shrub,Flat(0-5%)	.name		SURS
B,Shrub,Flat(0-5%)	.name		UZS
B,Shrub,Flat(0-5%)	UZS	0	0.01
B,Shrub,Flat(0-5%)	.name		IFWS
B,Shrub,Flat(0-5%)	.name		LZS
B,Shrub,Flat(0-5%)	LZS	0	0.5
B,Shrub,Flat(0-5%)	.name		AGWS
B,Shrub,Flat(0-5%)	AGWS	0	0.3
B,Shrub,Flat(0-5%)	.name		GWVS
B,Shrub,Flat(0-5%)	GWVS	0	0.01
B,Shrub,Flat(0-5%)	.name		JAN

B,Shrub,Flat(0-5%)	JAN	0	0.5
B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.5
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.5
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.6
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.65
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.65
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.65
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.65
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.65
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.65
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.55
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.5
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.13
B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.13
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.13
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.14
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.15
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.15
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.15
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.15
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.15
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.15
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.14
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.13
B,Shrub,Flat(0-5%)	.pnum	0	63
B,Shrub,Flat(0-5%)	.name		NBLKS
B,Shrub,Flat(0-5%)	NBLKS	0	1
B,Shrub,Flat(0-5%)	.name		USER
B,Shrub,Flat(0-5%)	USER	0	1
B,Shrub,Flat(0-5%)	.name		IN
B,Shrub,Flat(0-5%)	IN	0	1
B,Shrub,Flat(0-5%)	.name		OUT
B,Shrub,Flat(0-5%)	OUT	0	1
B,Shrub,Flat(0-5%)	.name		ENGL

B,Shrub,Flat(0-5%)	ENGL	0	27
B,Shrub,Flat(0-5%)	.name		METER
B,Shrub,Flat(0-5%)	.name		ATMP
B,Shrub,Flat(0-5%)	.name		SNOW
B,Shrub,Flat(0-5%)	.name		PWAT
B,Shrub,Flat(0-5%)	PWAT	0	1
B,Shrub,Flat(0-5%)	.name		SED
B,Shrub,Flat(0-5%)	.name		PST
B,Shrub,Flat(0-5%)	.name		PWG
B,Shrub,Flat(0-5%)	.name		PQAL
B,Shrub,Flat(0-5%)	.name		MSTL
B,Shrub,Flat(0-5%)	.name		PEST
B,Shrub,Flat(0-5%)	.name		NITR
B,Shrub,Flat(0-5%)	.name		PHOS
B,Shrub,Flat(0-5%)	.name		TRAC
B,Shrub,Flat(0-5%)	.name		ATMP2
B,Shrub,Flat(0-5%)	.name		SNOW2
B,Shrub,Flat(0-5%)	.name		PWAT2
B,Shrub,Flat(0-5%)	PWAT2	0	4
B,Shrub,Flat(0-5%)	.name		SED2
B,Shrub,Flat(0-5%)	.name		PST2
B,Shrub,Flat(0-5%)	.name		PWG2
B,Shrub,Flat(0-5%)	.name		PQAL2
B,Shrub,Flat(0-5%)	.name		MSTL2
B,Shrub,Flat(0-5%)	.name		PEST2
B,Shrub,Flat(0-5%)	.name		NITR2
B,Shrub,Flat(0-5%)	.name		PHOS2
B,Shrub,Flat(0-5%)	.name		TRAC2
B,Shrub,Flat(0-5%)	.name		PVIL
B,Shrub,Flat(0-5%)	PVIL	0	1
B,Shrub,Flat(0-5%)	.name		PYR
B,Shrub,Flat(0-5%)	PYR	0	9
B,Shrub,Flat(0-5%)	.name		CSNO
B,Shrub,Flat(0-5%)	.name		RTOP
B,Shrub,Flat(0-5%)	.name		UZFG
B,Shrub,Flat(0-5%)	.name		VCS
B,Shrub,Flat(0-5%)	VCS	0	1
B,Shrub,Flat(0-5%)	.name		VUZ
B,Shrub,Flat(0-5%)	.name		VNN
B,Shrub,Flat(0-5%)	.name		VIFW
B,Shrub,Flat(0-5%)	.name		VIRC
B,Shrub,Flat(0-5%)	.name		VLE
B,Shrub,Flat(0-5%)	VLE	0	1
B,Shrub,Flat(0-5%)	.name		INFC
B,Shrub,Flat(0-5%)	.name		HWT
B,Shrub,Flat(0-5%)	.name		FOREST
B,Shrub,Flat(0-5%)	.name		LZSN
B,Shrub,Flat(0-5%)	LZSN	0	5
B,Shrub,Flat(0-5%)	.name		INFILT
B,Shrub,Flat(0-5%)	INFILT	0	0.07
B,Shrub,Flat(0-5%)	.name		LSUR
B,Shrub,Flat(0-5%)	LSUR	0	400
B,Shrub,Flat(0-5%)	.name		SLSUR
B,Shrub,Flat(0-5%)	SLSUR	0	0.05
B,Shrub,Flat(0-5%)	.name		KVARY
B,Shrub,Flat(0-5%)	KVARY	0	1.2
B,Shrub,Flat(0-5%)	.name		AGWRC

B,Shrub,Flat(0-5%)	AGWRC	0	0.95
B,Shrub,Flat(0-5%)	.name		PETMAX
B,Shrub,Flat(0-5%)	PETMAX	0	40
B,Shrub,Flat(0-5%)	.name		PETMIN
B,Shrub,Flat(0-5%)	PETMIN	0	35
B,Shrub,Flat(0-5%)	.name		INFEXP
B,Shrub,Flat(0-5%)	INFEXP	0	2
B,Shrub,Flat(0-5%)	.name		INFILD
B,Shrub,Flat(0-5%)	INFILD	0	2
B,Shrub,Flat(0-5%)	.name		DEEPFR
B,Shrub,Flat(0-5%)	.name		BASETP
B,Shrub,Flat(0-5%)	.name		AGWETP
B,Shrub,Flat(0-5%)	.name		CEPSC
B,Shrub,Flat(0-5%)	.name		UZSN
B,Shrub,Flat(0-5%)	UZSN	0	0.9
B,Shrub,Flat(0-5%)	.name		NSUR
B,Shrub,Flat(0-5%)	NSUR	0	0.3
B,Shrub,Flat(0-5%)	.name		INTFW
B,Shrub,Flat(0-5%)	INTFW	0	3
B,Shrub,Flat(0-5%)	.name		IRC
B,Shrub,Flat(0-5%)	IRC	0	0.7
B,Shrub,Flat(0-5%)	.name		LZETP
B,Shrub,Flat(0-5%)	.name		MELEV
B,Shrub,Flat(0-5%)	MELEV	0	400
B,Shrub,Flat(0-5%)	.name		BELV
B,Shrub,Flat(0-5%)	.name		GWDATM
B,Shrub,Flat(0-5%)	.name		PCW
B,Shrub,Flat(0-5%)	PCW	0	0.28
B,Shrub,Flat(0-5%)	.name		PGW
B,Shrub,Flat(0-5%)	PGW	0	0.3
B,Shrub,Flat(0-5%)	.name		UPGW
B,Shrub,Flat(0-5%)	UPGW	0	0.37
B,Shrub,Flat(0-5%)	.name		STABNO
B,Shrub,Flat(0-5%)	STABNO	0	1
B,Shrub,Flat(0-5%)	.name		SRRC
B,Shrub,Flat(0-5%)	SRRC	0	0.1
B,Shrub,Flat(0-5%)	.name		SREXP
B,Shrub,Flat(0-5%)	.name		IFWSC
B,Shrub,Flat(0-5%)	IFWSC	0	4
B,Shrub,Flat(0-5%)	.name		DELTA
B,Shrub,Flat(0-5%)	DELTA	0	0.2
B,Shrub,Flat(0-5%)	.name		UELFFAC
B,Shrub,Flat(0-5%)	UELFFAC	0	4
B,Shrub,Flat(0-5%)	.name		LELFFAC
B,Shrub,Flat(0-5%)	LELFFAC	0	2.5
B,Shrub,Flat(0-5%)	.name		CEPS
B,Shrub,Flat(0-5%)	.name		SURS
B,Shrub,Flat(0-5%)	.name		UZS
B,Shrub,Flat(0-5%)	UZS	0	0.01
B,Shrub,Flat(0-5%)	.name		IFWS
B,Shrub,Flat(0-5%)	.name		LZS
B,Shrub,Flat(0-5%)	LZS	0	0.5
B,Shrub,Flat(0-5%)	.name		AGWS
B,Shrub,Flat(0-5%)	AGWS	0	0.3
B,Shrub,Flat(0-5%)	.name		GWVS
B,Shrub,Flat(0-5%)	GWVS	0	0.01
B,Shrub,Flat(0-5%)	.name		JAN

B,Shrub,Flat(0-5%)	JAN	0	0.5
B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.5
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.5
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.6
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.65
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.65
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.65
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.65
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.65
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.65
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.55
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.5
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.13
B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.13
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.13
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.14
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.15
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.15
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.15
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.15
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.15
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.15
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.14
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.13
A,Shrub,Flat(0-5%)	.pnum	0	64
A,Shrub,Flat(0-5%)	.name		NBLKS
A,Shrub,Flat(0-5%)	NBLKS	0	1
A,Shrub,Flat(0-5%)	.name		USER
A,Shrub,Flat(0-5%)	USER	0	1
A,Shrub,Flat(0-5%)	.name		IN
A,Shrub,Flat(0-5%)	IN	0	1
A,Shrub,Flat(0-5%)	.name		OUT
A,Shrub,Flat(0-5%)	OUT	0	1
A,Shrub,Flat(0-5%)	.name		ENGL

A,Shrub,Flat(0-5%)	ENGL	0	27
A,Shrub,Flat(0-5%)	.name		METER
A,Shrub,Flat(0-5%)	.name		ATMP
A,Shrub,Flat(0-5%)	.name		SNOW
A,Shrub,Flat(0-5%)	.name		PWAT
A,Shrub,Flat(0-5%)	PWAT	0	1
A,Shrub,Flat(0-5%)	.name		SED
A,Shrub,Flat(0-5%)	.name		PST
A,Shrub,Flat(0-5%)	.name		PWG
A,Shrub,Flat(0-5%)	.name		PQAL
A,Shrub,Flat(0-5%)	.name		MSTL
A,Shrub,Flat(0-5%)	.name		PEST
A,Shrub,Flat(0-5%)	.name		NITR
A,Shrub,Flat(0-5%)	.name		PHOS
A,Shrub,Flat(0-5%)	.name		TRAC
A,Shrub,Flat(0-5%)	.name		ATMP2
A,Shrub,Flat(0-5%)	.name		SNOW2
A,Shrub,Flat(0-5%)	.name		PWAT2
A,Shrub,Flat(0-5%)	PWAT2	0	4
A,Shrub,Flat(0-5%)	.name		SED2
A,Shrub,Flat(0-5%)	.name		PST2
A,Shrub,Flat(0-5%)	.name		PWG2
A,Shrub,Flat(0-5%)	.name		PQAL2
A,Shrub,Flat(0-5%)	.name		MSTL2
A,Shrub,Flat(0-5%)	.name		PEST2
A,Shrub,Flat(0-5%)	.name		NITR2
A,Shrub,Flat(0-5%)	.name		PHOS2
A,Shrub,Flat(0-5%)	.name		TRAC2
A,Shrub,Flat(0-5%)	.name		PVIL
A,Shrub,Flat(0-5%)	PVIL	0	1
A,Shrub,Flat(0-5%)	.name		PYR
A,Shrub,Flat(0-5%)	PYR	0	9
A,Shrub,Flat(0-5%)	.name		CSNO
A,Shrub,Flat(0-5%)	.name		RTOP
A,Shrub,Flat(0-5%)	.name		UZFG
A,Shrub,Flat(0-5%)	.name		VCS
A,Shrub,Flat(0-5%)	VCS	0	1
A,Shrub,Flat(0-5%)	.name		VUZ
A,Shrub,Flat(0-5%)	.name		VNN
A,Shrub,Flat(0-5%)	.name		VIFW
A,Shrub,Flat(0-5%)	.name		VIRC
A,Shrub,Flat(0-5%)	.name		VLE
A,Shrub,Flat(0-5%)	VLE	0	1
A,Shrub,Flat(0-5%)	.name		INFC
A,Shrub,Flat(0-5%)	.name		HWT
A,Shrub,Flat(0-5%)	.name		FOREST
A,Shrub,Flat(0-5%)	.name		LZSN
A,Shrub,Flat(0-5%)	LZSN	0	5.2
A,Shrub,Flat(0-5%)	.name		INFILT
A,Shrub,Flat(0-5%)	INFILT	0	0.09
A,Shrub,Flat(0-5%)	.name		LSUR
A,Shrub,Flat(0-5%)	LSUR	0	400
A,Shrub,Flat(0-5%)	.name		SLSUR
A,Shrub,Flat(0-5%)	SLSUR	0	0.05
A,Shrub,Flat(0-5%)	.name		KVARY
A,Shrub,Flat(0-5%)	KVARY	0	0.8
A,Shrub,Flat(0-5%)	.name		AGWRC

A,Shrub,Flat(0-5%)	AGWRC	0	0.955
A,Shrub,Flat(0-5%)	.name		PETMAX
A,Shrub,Flat(0-5%)	PETMAX	0	40
A,Shrub,Flat(0-5%)	.name		PETMIN
A,Shrub,Flat(0-5%)	PETMIN	0	35
A,Shrub,Flat(0-5%)	.name		INFEXP
A,Shrub,Flat(0-5%)	INFEXP	0	2
A,Shrub,Flat(0-5%)	.name		INFILD
A,Shrub,Flat(0-5%)	INFILD	0	2
A,Shrub,Flat(0-5%)	.name		DEEPFR
A,Shrub,Flat(0-5%)	.name		BASETP
A,Shrub,Flat(0-5%)	.name		AGWETP
A,Shrub,Flat(0-5%)	.name		CEPSC
A,Shrub,Flat(0-5%)	.name		UZSN
A,Shrub,Flat(0-5%)	UZSN	0	0.9
A,Shrub,Flat(0-5%)	.name		NSUR
A,Shrub,Flat(0-5%)	NSUR	0	0.3
A,Shrub,Flat(0-5%)	.name		INTFW
A,Shrub,Flat(0-5%)	INTFW	0	4
A,Shrub,Flat(0-5%)	.name		IRC
A,Shrub,Flat(0-5%)	IRC	0	0.7
A,Shrub,Flat(0-5%)	.name		LZETP
A,Shrub,Flat(0-5%)	.name		MELEV
A,Shrub,Flat(0-5%)	MELEV	0	400
A,Shrub,Flat(0-5%)	.name		BELV
A,Shrub,Flat(0-5%)	.name		GWDATM
A,Shrub,Flat(0-5%)	.name		PCW
A,Shrub,Flat(0-5%)	PCW	0	0.33
A,Shrub,Flat(0-5%)	.name		PGW
A,Shrub,Flat(0-5%)	PGW	0	0.35
A,Shrub,Flat(0-5%)	.name		UPGW
A,Shrub,Flat(0-5%)	UPGW	0	0.42
A,Shrub,Flat(0-5%)	.name		STABNO
A,Shrub,Flat(0-5%)	STABNO	0	1
A,Shrub,Flat(0-5%)	.name		SRRC
A,Shrub,Flat(0-5%)	SRRC	0	0.1
A,Shrub,Flat(0-5%)	.name		SREXP
A,Shrub,Flat(0-5%)	.name		IFWSC
A,Shrub,Flat(0-5%)	IFWSC	0	4
A,Shrub,Flat(0-5%)	.name		DELTA
A,Shrub,Flat(0-5%)	DELTA	0	0.2
A,Shrub,Flat(0-5%)	.name		UELFACT
A,Shrub,Flat(0-5%)	UELFACT	0	4
A,Shrub,Flat(0-5%)	.name		LELFAC
A,Shrub,Flat(0-5%)	LELFAC	0	2.5
A,Shrub,Flat(0-5%)	.name		CEPS
A,Shrub,Flat(0-5%)	.name		SURS
A,Shrub,Flat(0-5%)	.name		UZS
A,Shrub,Flat(0-5%)	UZS	0	0.01
A,Shrub,Flat(0-5%)	.name		IFWS
A,Shrub,Flat(0-5%)	.name		LZS
A,Shrub,Flat(0-5%)	LZS	0	0.5
A,Shrub,Flat(0-5%)	.name		AGWS
A,Shrub,Flat(0-5%)	AGWS	0	0.3
A,Shrub,Flat(0-5%)	.name		GWVS
A,Shrub,Flat(0-5%)	GWVS	0	0.01
A,Shrub,Flat(0-5%)	.name		JAN

A,Shrub,Flat(0-5%)	JAN	0	0.5
A,Shrub,Flat(0-5%)	.name		FEB
A,Shrub,Flat(0-5%)	FEB	0	0.5
A,Shrub,Flat(0-5%)	.name		MAR
A,Shrub,Flat(0-5%)	MAR	0	0.5
A,Shrub,Flat(0-5%)	.name		APR
A,Shrub,Flat(0-5%)	APR	0	0.6
A,Shrub,Flat(0-5%)	.name		MAY
A,Shrub,Flat(0-5%)	MAY	0	0.65
A,Shrub,Flat(0-5%)	.name		JUNE
A,Shrub,Flat(0-5%)	JUNE	0	0.65
A,Shrub,Flat(0-5%)	.name		JULY
A,Shrub,Flat(0-5%)	JULY	0	0.65
A,Shrub,Flat(0-5%)	.name		AUG
A,Shrub,Flat(0-5%)	AUG	0	0.65
A,Shrub,Flat(0-5%)	.name		SEPT
A,Shrub,Flat(0-5%)	SEPT	0	0.65
A,Shrub,Flat(0-5%)	.name		OCT
A,Shrub,Flat(0-5%)	OCT	0	0.65
A,Shrub,Flat(0-5%)	.name		NOV
A,Shrub,Flat(0-5%)	NOV	0	0.55
A,Shrub,Flat(0-5%)	.name		DEC
A,Shrub,Flat(0-5%)	DEC	0	0.5
A,Shrub,Flat(0-5%)	.name		JAN
A,Shrub,Flat(0-5%)	JAN	0	0.13
A,Shrub,Flat(0-5%)	.name		FEB
A,Shrub,Flat(0-5%)	FEB	0	0.13
A,Shrub,Flat(0-5%)	.name		MAR
A,Shrub,Flat(0-5%)	MAR	0	0.13
A,Shrub,Flat(0-5%)	.name		APR
A,Shrub,Flat(0-5%)	APR	0	0.14
A,Shrub,Flat(0-5%)	.name		MAY
A,Shrub,Flat(0-5%)	MAY	0	0.15
A,Shrub,Flat(0-5%)	.name		JUNE
A,Shrub,Flat(0-5%)	JUNE	0	0.15
A,Shrub,Flat(0-5%)	.name		JULY
A,Shrub,Flat(0-5%)	JULY	0	0.15
A,Shrub,Flat(0-5%)	.name		AUG
A,Shrub,Flat(0-5%)	AUG	0	0.15
A,Shrub,Flat(0-5%)	.name		SEPT
A,Shrub,Flat(0-5%)	SEPT	0	0.15
A,Shrub,Flat(0-5%)	.name		OCT
A,Shrub,Flat(0-5%)	OCT	0	0.15
A,Shrub,Flat(0-5%)	.name		NOV
A,Shrub,Flat(0-5%)	NOV	0	0.14
A,Shrub,Flat(0-5%)	.name		DEC
A,Shrub,Flat(0-5%)	DEC	0	0.13
B,Shrub,Flat(0-5%)	.pnum	0	65
B,Shrub,Flat(0-5%)	.name		NBLKS
B,Shrub,Flat(0-5%)	NBLKS	0	1
B,Shrub,Flat(0-5%)	.name		USER
B,Shrub,Flat(0-5%)	USER	0	1
B,Shrub,Flat(0-5%)	.name		IN
B,Shrub,Flat(0-5%)	IN	0	1
B,Shrub,Flat(0-5%)	.name		OUT
B,Shrub,Flat(0-5%)	OUT	0	1
B,Shrub,Flat(0-5%)	.name		ENGL

B,Shrub,Flat(0-5%)	ENGL	0	27
B,Shrub,Flat(0-5%)	.name		METER
B,Shrub,Flat(0-5%)	.name		ATMP
B,Shrub,Flat(0-5%)	.name		SNOW
B,Shrub,Flat(0-5%)	.name		PWAT
B,Shrub,Flat(0-5%)	PWAT	0	1
B,Shrub,Flat(0-5%)	.name		SED
B,Shrub,Flat(0-5%)	.name		PST
B,Shrub,Flat(0-5%)	.name		PWG
B,Shrub,Flat(0-5%)	.name		PQAL
B,Shrub,Flat(0-5%)	.name		MSTL
B,Shrub,Flat(0-5%)	.name		PEST
B,Shrub,Flat(0-5%)	.name		NITR
B,Shrub,Flat(0-5%)	.name		PHOS
B,Shrub,Flat(0-5%)	.name		TRAC
B,Shrub,Flat(0-5%)	.name		ATMP2
B,Shrub,Flat(0-5%)	.name		SNOW2
B,Shrub,Flat(0-5%)	.name		PWAT2
B,Shrub,Flat(0-5%)	PWAT2	0	4
B,Shrub,Flat(0-5%)	.name		SED2
B,Shrub,Flat(0-5%)	.name		PST2
B,Shrub,Flat(0-5%)	.name		PWG2
B,Shrub,Flat(0-5%)	.name		PQAL2
B,Shrub,Flat(0-5%)	.name		MSTL2
B,Shrub,Flat(0-5%)	.name		PEST2
B,Shrub,Flat(0-5%)	.name		NITR2
B,Shrub,Flat(0-5%)	.name		PHOS2
B,Shrub,Flat(0-5%)	.name		TRAC2
B,Shrub,Flat(0-5%)	.name		PVIL
B,Shrub,Flat(0-5%)	PVIL	0	1
B,Shrub,Flat(0-5%)	.name		PYR
B,Shrub,Flat(0-5%)	PYR	0	9
B,Shrub,Flat(0-5%)	.name		CSNO
B,Shrub,Flat(0-5%)	.name		RTOP
B,Shrub,Flat(0-5%)	.name		UZFG
B,Shrub,Flat(0-5%)	.name		VCS
B,Shrub,Flat(0-5%)	VCS	0	1
B,Shrub,Flat(0-5%)	.name		VUZ
B,Shrub,Flat(0-5%)	.name		VNN
B,Shrub,Flat(0-5%)	.name		VIFW
B,Shrub,Flat(0-5%)	.name		VIRC
B,Shrub,Flat(0-5%)	.name		VLE
B,Shrub,Flat(0-5%)	VLE	0	1
B,Shrub,Flat(0-5%)	.name		INFC
B,Shrub,Flat(0-5%)	.name		HWT
B,Shrub,Flat(0-5%)	.name		FOREST
B,Shrub,Flat(0-5%)	.name		LZSN
B,Shrub,Flat(0-5%)	LZSN	0	5
B,Shrub,Flat(0-5%)	.name		INFILT
B,Shrub,Flat(0-5%)	INFILT	0	0.07
B,Shrub,Flat(0-5%)	.name		LSUR
B,Shrub,Flat(0-5%)	LSUR	0	400
B,Shrub,Flat(0-5%)	.name		SLSUR
B,Shrub,Flat(0-5%)	SLSUR	0	0.05
B,Shrub,Flat(0-5%)	.name		KVARY
B,Shrub,Flat(0-5%)	KVARY	0	1.2
B,Shrub,Flat(0-5%)	.name		AGWRC

B,Shrub,Flat(0-5%)	AGWRC	0	0.95
B,Shrub,Flat(0-5%)	.name		PETMAX
B,Shrub,Flat(0-5%)	PETMAX	0	40
B,Shrub,Flat(0-5%)	.name		PETMIN
B,Shrub,Flat(0-5%)	PETMIN	0	35
B,Shrub,Flat(0-5%)	.name		INFEXP
B,Shrub,Flat(0-5%)	INFEXP	0	2
B,Shrub,Flat(0-5%)	.name		INFILD
B,Shrub,Flat(0-5%)	INFILD	0	2
B,Shrub,Flat(0-5%)	.name		DEEPFR
B,Shrub,Flat(0-5%)	.name		BASETP
B,Shrub,Flat(0-5%)	.name		AGWETP
B,Shrub,Flat(0-5%)	.name		CEPSC
B,Shrub,Flat(0-5%)	.name		UZSN
B,Shrub,Flat(0-5%)	UZSN	0	0.9
B,Shrub,Flat(0-5%)	.name		NSUR
B,Shrub,Flat(0-5%)	NSUR	0	0.3
B,Shrub,Flat(0-5%)	.name		INTFW
B,Shrub,Flat(0-5%)	INTFW	0	3
B,Shrub,Flat(0-5%)	.name		IRC
B,Shrub,Flat(0-5%)	IRC	0	0.7
B,Shrub,Flat(0-5%)	.name		LZETP
B,Shrub,Flat(0-5%)	.name		MELEV
B,Shrub,Flat(0-5%)	MELEV	0	400
B,Shrub,Flat(0-5%)	.name		BELV
B,Shrub,Flat(0-5%)	.name		GWDATM
B,Shrub,Flat(0-5%)	.name		PCW
B,Shrub,Flat(0-5%)	PCW	0	0.28
B,Shrub,Flat(0-5%)	.name		PGW
B,Shrub,Flat(0-5%)	PGW	0	0.3
B,Shrub,Flat(0-5%)	.name		UPGW
B,Shrub,Flat(0-5%)	UPGW	0	0.37
B,Shrub,Flat(0-5%)	.name		STABNO
B,Shrub,Flat(0-5%)	STABNO	0	1
B,Shrub,Flat(0-5%)	.name		SRRC
B,Shrub,Flat(0-5%)	SRRC	0	0.1
B,Shrub,Flat(0-5%)	.name		SREXP
B,Shrub,Flat(0-5%)	.name		IFWSC
B,Shrub,Flat(0-5%)	IFWSC	0	4
B,Shrub,Flat(0-5%)	.name		DELTA
B,Shrub,Flat(0-5%)	DELTA	0	0.2
B,Shrub,Flat(0-5%)	.name		UELFACT
B,Shrub,Flat(0-5%)	UELFACT	0	4
B,Shrub,Flat(0-5%)	.name		LELFAC
B,Shrub,Flat(0-5%)	LELFAC	0	2.5
B,Shrub,Flat(0-5%)	.name		CEPS
B,Shrub,Flat(0-5%)	.name		SURS
B,Shrub,Flat(0-5%)	.name		UZS
B,Shrub,Flat(0-5%)	UZS	0	0.01
B,Shrub,Flat(0-5%)	.name		IFWS
B,Shrub,Flat(0-5%)	.name		LZS
B,Shrub,Flat(0-5%)	LZS	0	0.5
B,Shrub,Flat(0-5%)	.name		AGWS
B,Shrub,Flat(0-5%)	AGWS	0	0.3
B,Shrub,Flat(0-5%)	.name		GWVS
B,Shrub,Flat(0-5%)	GWVS	0	0.01
B,Shrub,Flat(0-5%)	.name		JAN

B,Shrub,Flat(0-5%)	JAN	0	0.5
B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.5
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.5
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.6
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.65
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.65
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.65
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.65
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.65
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.65
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.55
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.5
B,Shrub,Flat(0-5%)	.name		JAN
B,Shrub,Flat(0-5%)	JAN	0	0.13
B,Shrub,Flat(0-5%)	.name		FEB
B,Shrub,Flat(0-5%)	FEB	0	0.13
B,Shrub,Flat(0-5%)	.name		MAR
B,Shrub,Flat(0-5%)	MAR	0	0.13
B,Shrub,Flat(0-5%)	.name		APR
B,Shrub,Flat(0-5%)	APR	0	0.14
B,Shrub,Flat(0-5%)	.name		MAY
B,Shrub,Flat(0-5%)	MAY	0	0.15
B,Shrub,Flat(0-5%)	.name		JUNE
B,Shrub,Flat(0-5%)	JUNE	0	0.15
B,Shrub,Flat(0-5%)	.name		JULY
B,Shrub,Flat(0-5%)	JULY	0	0.15
B,Shrub,Flat(0-5%)	.name		AUG
B,Shrub,Flat(0-5%)	AUG	0	0.15
B,Shrub,Flat(0-5%)	.name		SEPT
B,Shrub,Flat(0-5%)	SEPT	0	0.15
B,Shrub,Flat(0-5%)	.name		OCT
B,Shrub,Flat(0-5%)	OCT	0	0.15
B,Shrub,Flat(0-5%)	.name		NOV
B,Shrub,Flat(0-5%)	NOV	0	0.14
B,Shrub,Flat(0-5%)	.name		DEC
B,Shrub,Flat(0-5%)	DEC	0	0.13

#### Implnd changes.

Name	Property	Original	Changed
Roof Area LAT	.pnum	0	18
Roof Area LAT	.Name		USER
Roof Area LAT	USER	0	1
Roof Area LAT	.Name		IN
Roof Area LAT	IN	0	1
Roof Area LAT	.Name		OUT
Roof Area LAT	OUT	0	1

Roof Area LAT	.Name		ENGL
Roof Area LAT	ENGL	0	27
Roof Area LAT	.Name		METER
Roof Area LAT	.Name		ATMP
Roof Area LAT	.Name		SNOW
Roof Area LAT	.Name		IWAT
Roof Area LAT	IWAT	0	1
Roof Area LAT	.Name		SLD
Roof Area LAT	.Name		IWG
Roof Area LAT	.Name		IQAL
Roof Area LAT	.Name		ATMP2
Roof Area LAT	.Name		SNOW2
Roof Area LAT	.Name		IWAT2
Roof Area LAT	IWAT2	0	4
Roof Area LAT	.Name		SLD2
Roof Area LAT	.Name		IWG2
Roof Area LAT	.Name		IQAL2
Roof Area LAT	.Name		PVIL
Roof Area LAT	PVIL	0	1
Roof Area LAT	.Name		PYR
Roof Area LAT	PYR	0	9
Roof Area LAT	.Name		CSNO
Roof Area LAT	.Name		RTOP
Roof Area LAT	.Name		VRS
Roof Area LAT	.Name		VNN
Roof Area LAT	.Name		RTLI
Roof Area LAT	.Name		LSUR
Roof Area LAT	LSUR	0	100
Roof Area LAT	.Name		SLSUR
Roof Area LAT	SLSUR	0	0.05
Roof Area LAT	.Name		NSUR
Roof Area LAT	NSUR	0	0.1
Roof Area LAT	.Name		RETSC
Roof Area LAT	RETSC	0	0.1
Roof Area LAT	.Name		PETMAX
Roof Area LAT	.Name		PETMIN
Roof Area LAT	.Name		RETS
Roof Area LAT	.Name		SURS
Roof Area LAT	.pnum	0	19
Roof Area LAT	.Name		USER
Roof Area LAT	USER	0	1
Roof Area LAT	.Name		IN
Roof Area LAT	IN	0	1
Roof Area LAT	.Name		OUT
Roof Area LAT	OUT	0	1
Roof Area LAT	.Name		ENGL
Roof Area LAT	ENGL	0	27
Roof Area LAT	.Name		METER
Roof Area LAT	.Name		ATMP
Roof Area LAT	.Name		SNOW
Roof Area LAT	.Name		IWAT
Roof Area LAT	IWAT	0	1
Roof Area LAT	.Name		SLD
Roof Area LAT	.Name		IWG
Roof Area LAT	.Name		IQAL
Roof Area LAT	.Name		ATMP2
Roof Area LAT	.Name		SNOW2

Roof Area LAT	.Name		IWAT2
Roof Area LAT	IWAT2	0	4
Roof Area LAT	.Name		SLD2
Roof Area LAT	.Name		IWG2
Roof Area LAT	.Name		IQAL2
Roof Area LAT	.Name		PVIL
Roof Area LAT	PVIL	0	1
Roof Area LAT	.Name		PYR
Roof Area LAT	PYR	0	9
Roof Area LAT	.Name		CSNO
Roof Area LAT	.Name		RTOP
Roof Area LAT	.Name		VRS
Roof Area LAT	.Name		VNN
Roof Area LAT	.Name		RTLI
Roof Area LAT	.Name		LSUR
Roof Area LAT	LSUR	0	100
Roof Area LAT	.Name		SLSUR
Roof Area LAT	SLSUR	0	0.05
Roof Area LAT	.Name		NSUR
Roof Area LAT	NSUR	0	0.1
Roof Area LAT	.Name		RETSC
Roof Area LAT	RETSC	0	0.1
Roof Area LAT	.Name		PETMAX
Roof Area LAT	.Name		PETMIN
Roof Area LAT	.Name		RETS
Roof Area LAT	.Name		SURS
Roof Area LAT	.pnum	0	20
Roof Area LAT	.Name		USER
Roof Area LAT	USER	0	1
Roof Area LAT	.Name		IN
Roof Area LAT	IN	0	1
Roof Area LAT	.Name		OUT
Roof Area LAT	OUT	0	1
Roof Area LAT	.Name		ENGL
Roof Area LAT	ENGL	0	27
Roof Area LAT	.Name		METER
Roof Area LAT	.Name		ATMP
Roof Area LAT	.Name		SNOW
Roof Area LAT	.Name		IWAT
Roof Area LAT	IWAT	0	1
Roof Area LAT	.Name		SLD
Roof Area LAT	.Name		IWG
Roof Area LAT	.Name		IQAL
Roof Area LAT	.Name		ATMP2
Roof Area LAT	.Name		SNOW2
Roof Area LAT	.Name		IWAT2
Roof Area LAT	IWAT2	0	4
Roof Area LAT	.Name		SLD2
Roof Area LAT	.Name		IWG2
Roof Area LAT	.Name		IQAL2
Roof Area LAT	.Name		PVIL
Roof Area LAT	PVIL	0	1
Roof Area LAT	.Name		PYR
Roof Area LAT	PYR	0	9
Roof Area LAT	.Name		CSNO
Roof Area LAT	.Name		RTOP
Roof Area LAT	.Name		VRS

Roof Area LAT	.Name	VNN	
Roof Area LAT	.Name	RTLI	
Roof Area LAT	.Name	LSUR	
Roof Area LAT	LSUR	0	100
Roof Area LAT	.Name	SLSUR	
Roof Area LAT	SLSUR	0	0 .05
Roof Area LAT	.Name	NSUR	
Roof Area LAT	NSUR	0	0 .1
Roof Area LAT	.Name	RETSC	
Roof Area LAT	RETSC	0	0 .1
Roof Area LAT	.Name	PETMAX	
Roof Area LAT	.Name	PETMIN	
Roof Area LAT	.Name	RETS	
Roof Area LAT	.Name	SURS	

---

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**ATTACHMENT B**

**SDHM Parameter Supporting Documents**

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## **Site Photographs (5-12-2009)**

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Node 100 and Node 200 Area



Node 300 Area



## Legend

Proposed Impervious Areas

Watershed Boundary



Soil Type



0 750 1,500  
Feet



IoA

RoA

InA

InA

RoA

PALM CANYON

BORREGO AIRPORT

BORREGO VALLEY

**SOILS AND LAND USE MAP**

Impervious Area Distribution

Existing				Proposed			
Basin 100				Basin 100			
Soil Type	Impervious (ac)	Pervious (ac)	Area (ac)	Soil Type	Impervious (ac)	Pervious (ac)	Total Area (ac)
A	0.00	17.00	17.00	A	0.005	16.995	17.00
B	0.00	161.40	161.40	B	0.383	161.017	161.40
	0.00	178.40	178.40		0.388	178.01	178.40
Basin 200				Basin 200			
Soil Type	Impervious (ac)	Pervious (ac)	Area (ac)	Soil Type	Impervious (ac)	Pervious (ac)	Total Area (ac)
A	0.00	2.70	2.70	A	0.001	2.699	2.700
B	0.00	161.60	161.60	B	0.217	161.383	161.60
	0.00	164.30	164.30		0.218	164.08	164.30
				Nodes 100 and 200 Total Area (ac) 342.70			
Basin 300				Basin 300			
Soil Type	Impervious (ac)	Pervious (ac)	Area (ac)	Soil Type	Impervious (ac)	Pervious (ac)	Total Area (ac)
A	0.00	0.00	0.0	A	0.00	0.00	0.00
B	0.1390	4.5310	4.67	B	0.1400	4.5300	4.67
	0.1390	4.5310	4.67		0.1400	4.5300	4.67
				Node 300 Total Area (ac) 4.67			

Note: Impervious areas for Basins 100 and 200 were calculated based upon a ratio of Basin Area to Total Area multiplied by the total impervious area for each structure type. If a structure was absent from a Basin, then no contribution was calculated. (i.e.,  $(17\text{ac} / 342.7\text{ac}) * 0.106 \text{ acres of 4" steel pipes} = 0.005 \text{ ac of impervious for Basin 100, Soil Type A}$ . No substations or inverter buildings are present, so no impervious area contribution was allocated for those structures.)

Impervious Area Distribution

**NODES 100 and 200 (PR): New Development (342.7 acres total)**

Item Description			Area	Unit	Quantity	Total	Unit
4" dia steel pipes (Solar Panels: 5 per panel, 10,288 panels)			0.09	SQ. FT	51,440	0.106	AC
4" dia steel pipes ("Open Space" signs)			0.09	SQ. FT	80	0.0002	AC
Inverter Building Pad (14'x28.5')			400	SQ. FT	38	0.349	AC
Storage Bldg. (20'x30')			600	SQ. FT	1	0.014	AC
Substation (total impervious area)			3,000	SQ. FT	2	0.138	AC
No impervious area under existing conditions					Total =	0.607	AC

**NODE 300 (EX): Existing Substation (4.7 acres total)**

Item Description			Area	Unit	Quantity	Total	Unit
Driveways			1,250	SQ. FT	2	0.057	AC
Existing SDG&E Substation Equipment			2,500	SQ. FT	1	0.057	AC
Existing Structures (average impervious area)			260	SQ. FT	4	0.024	AC
Total =					0.139	AC	

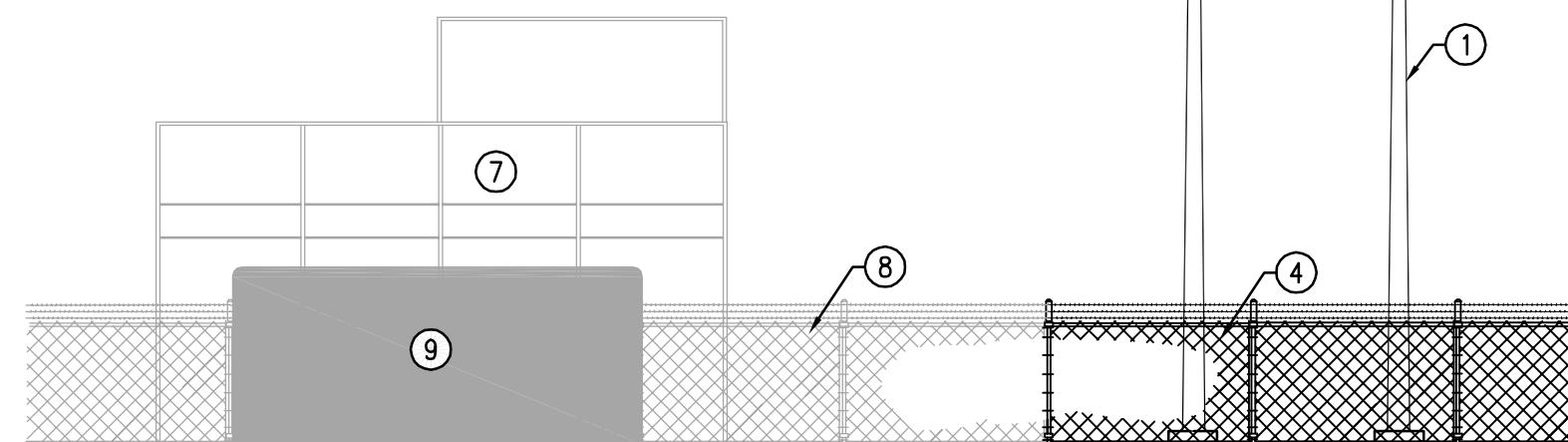
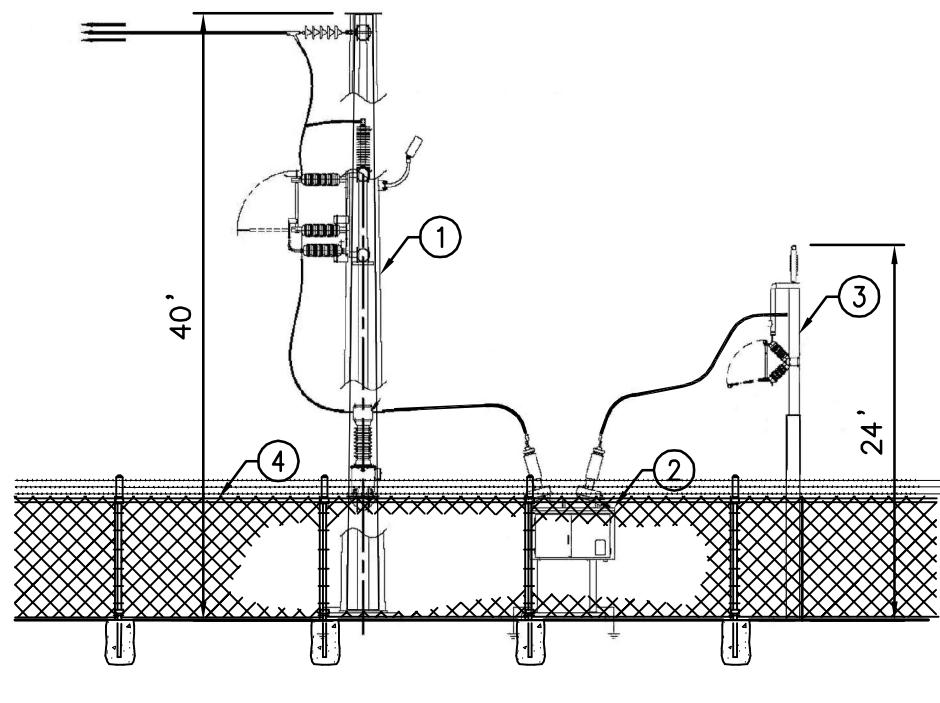
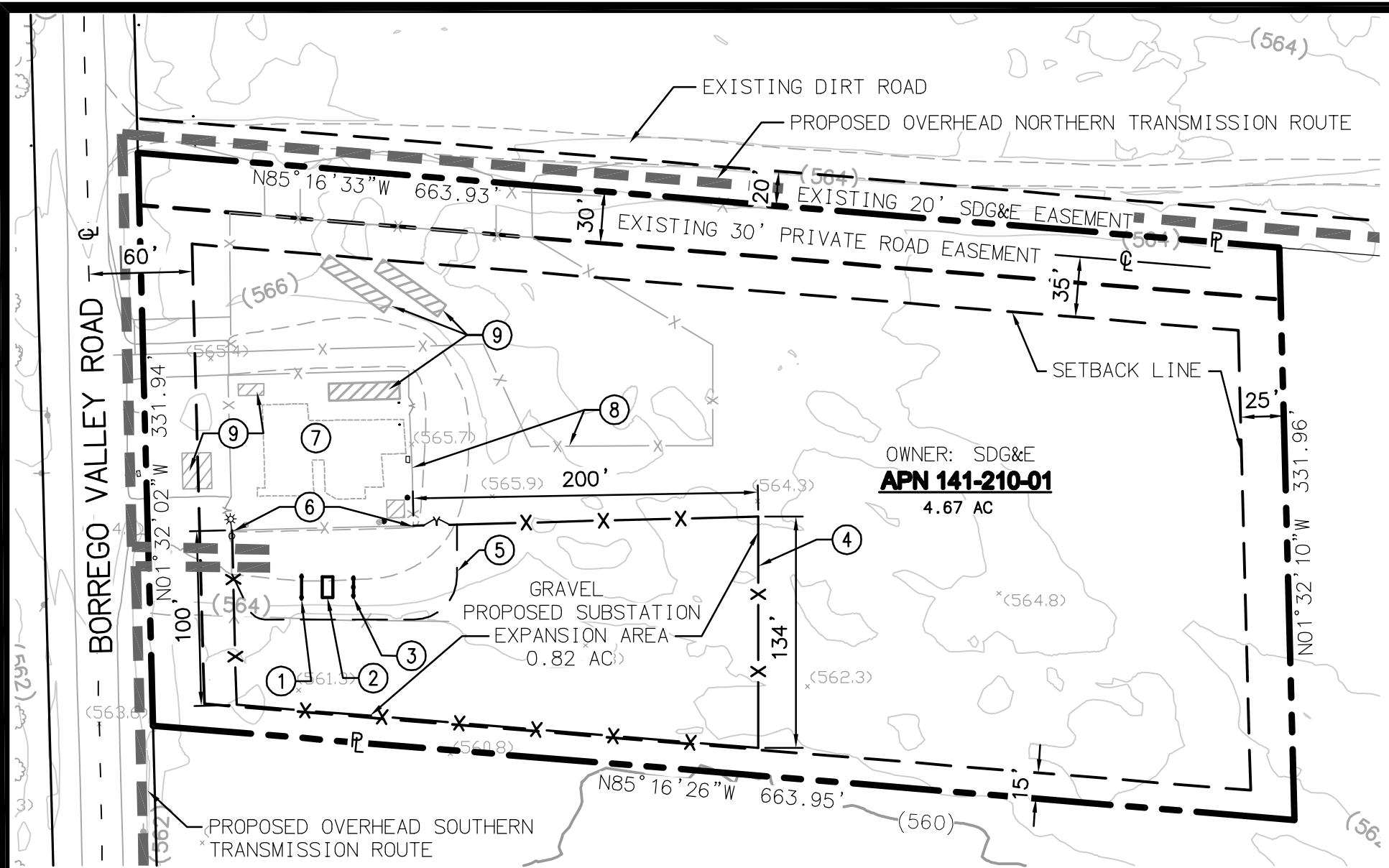
**NODE 300 (PR): Existing Substation Expansion (4.7 acres total)**

Item Description			Area	Unit	Quantity	Total	Unit
Driveways			1,250	SQ. FT	2	0.057	AC
Existing SDG&E Substation Equipment			2,500	SQ. FT	1	0.057	AC
Existing Structures (average impervious area)			260	SQ. FT	4	0.024	AC
NEW: Dean End Structure (69kV Rack: Two 1-foot diameter posts)		0.8	SQ. FT	2	0.00004	AC	
NEW: High Voltage Breaker		72	SQ. FT	1	0.00165	AC	
NEW: Busbar Structure (Three - 1-foot diameter posts)		1	SQ. FT	3	0.00006	AC	
Total =					0.140	AC	

### Infiltration Trench Lengths

<b>Basin</b>	<b>Structure</b>	<b>Quantity</b>	<b>Area</b>	<b>Trench Length</b>	<b>Total Gravel Trench Length</b>
100	Inverter Building Pad (14' x 28.5')	17	399 sq ft	67 ft	1131 ft
	Substation Complex (90' x 150')	2	13500 sq ft	264 ft	528 ft
	Storage Building (20' x 30')	1	600 sq ft	74 ft	74 ft
	<b>TOTAL</b>				<b>1733 ft</b>
200	Inverter Building Pad (14' x 28.5')	21	399 sq ft	67 ft	1397 ft
	<b>TOTAL</b>				<b>1397 ft</b>
300	Misc. Electrical		74 sq ft		150 ft
	<b>TOTAL</b>				<b>150 ft</b>

- Note:
1. Trench length of Basin 100 & 200 structures is based upon a 6' offset from the pad or fence to the centerline of the infiltration trench.
  2. Length of Basin 300 infiltration trench is based upon water quality requirements (see SWMP).
  3. Trenches are located along the south and east faces of structures so that only structure drainage is captured.



## SDG&E BORREGO SUBSTATION PROPOSED EXPANSION AREA

REV. A 4/12/2010 ORIGINAL DATE: 4/9/2010

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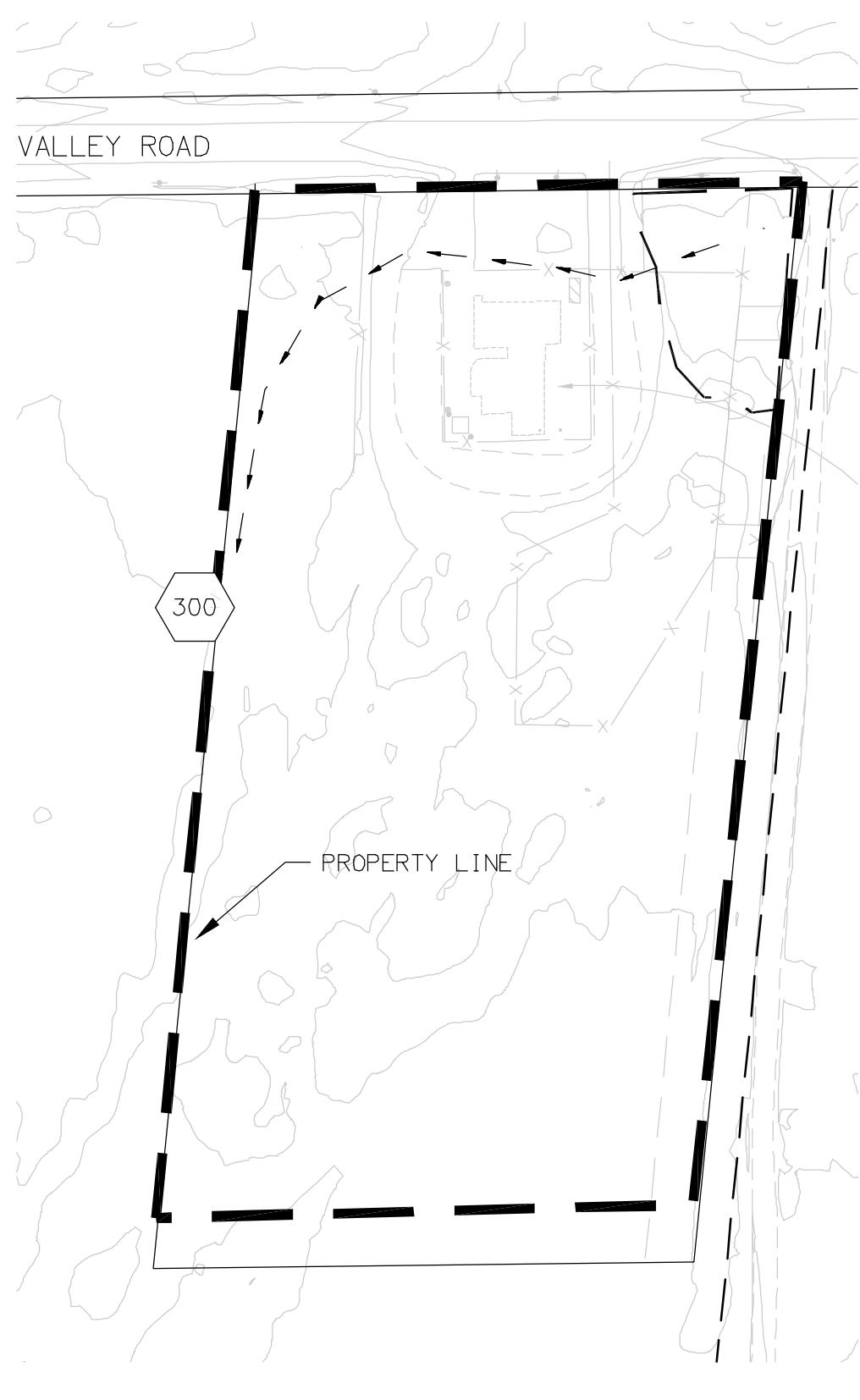
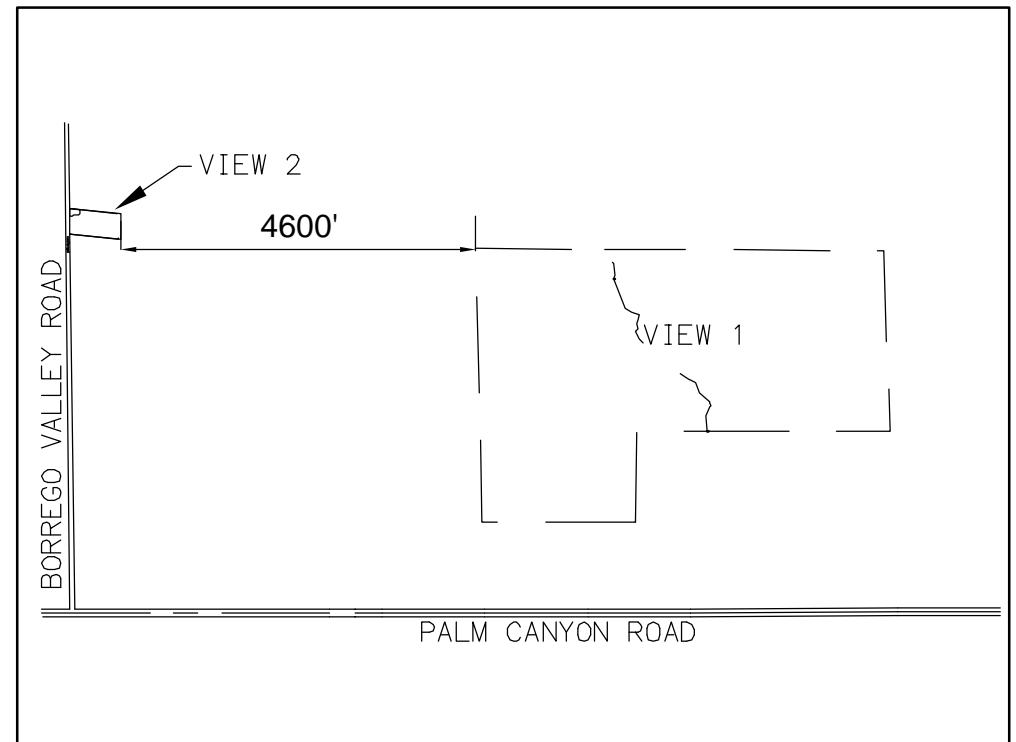
## **ATTACHMENT C**

### **Existing and Proposed Condition Hydromodification Maps**

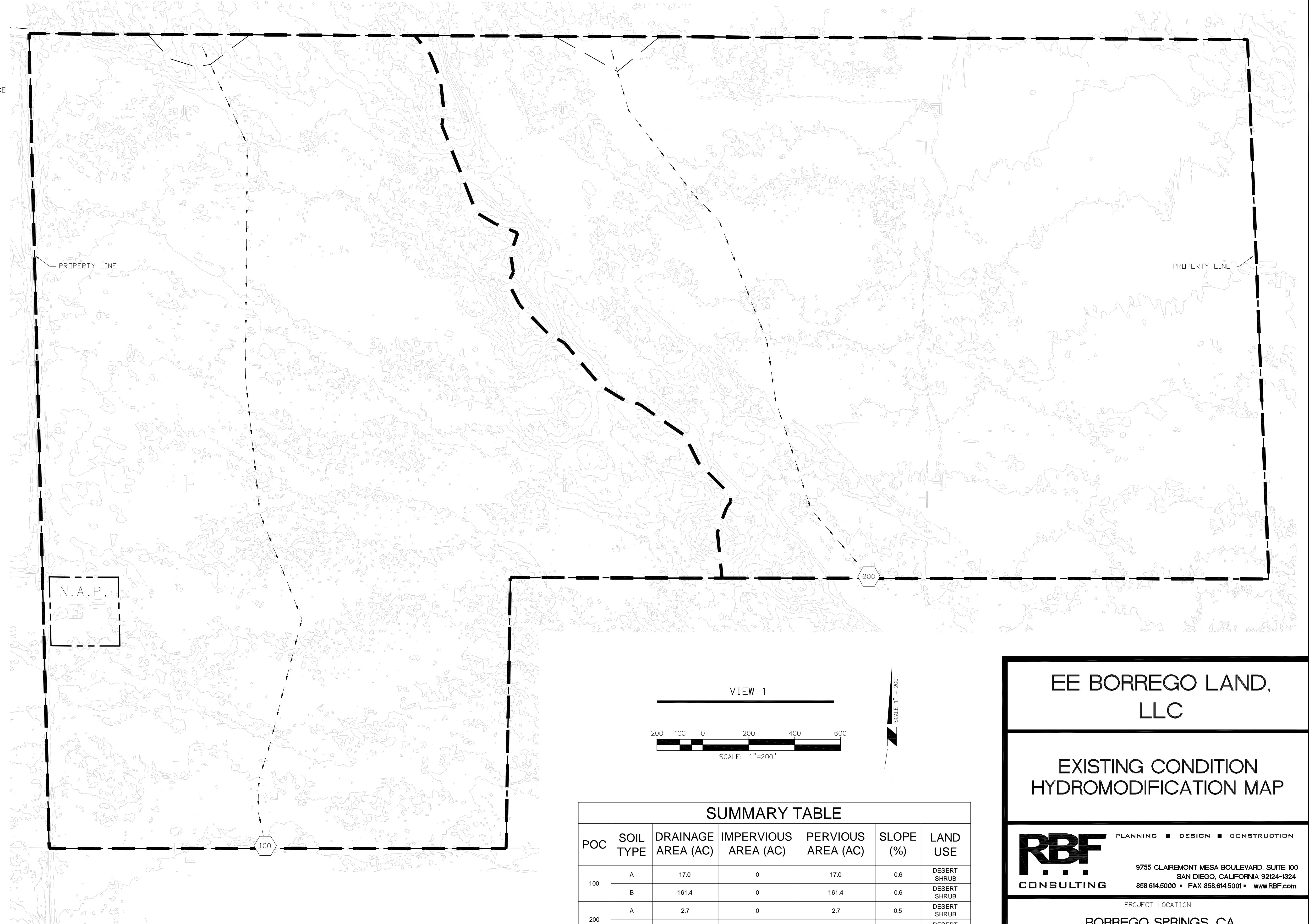
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**LEGEND**

<u>SYMBOL</u>	<u>ITEM</u>
	ON SITE DRAINAGE BOUNDARY
	POINT OF COMPLIANCE
	FLOW PATH



100 50 0 100 200 300  
SCALE: 1"=100'



SUMMARY TABLE						
POC	SOIL TYPE	DRAINAGE AREA (AC)	IMPERVIOUS AREA (AC)	PERVIOUS AREA (AC)	SLOPE (%)	LAND USE
100	A	17.0	0	17.0	0.6	DESERT SHRUB
	B	161.4	0	161.4	0.6	DESERT SHRUB
200	A	2.7	0	2.7	0.5	DESERT SHRUB
	B	161.6	0	161.6	0.5	DESERT SHRUB
300	B	4.67	0.0139	4.6561	1.2	DESERT SHRUB

EE BORREGO LAND,  
LLC

EXISTING CONDITION  
HYDROMODIFICATION MAP

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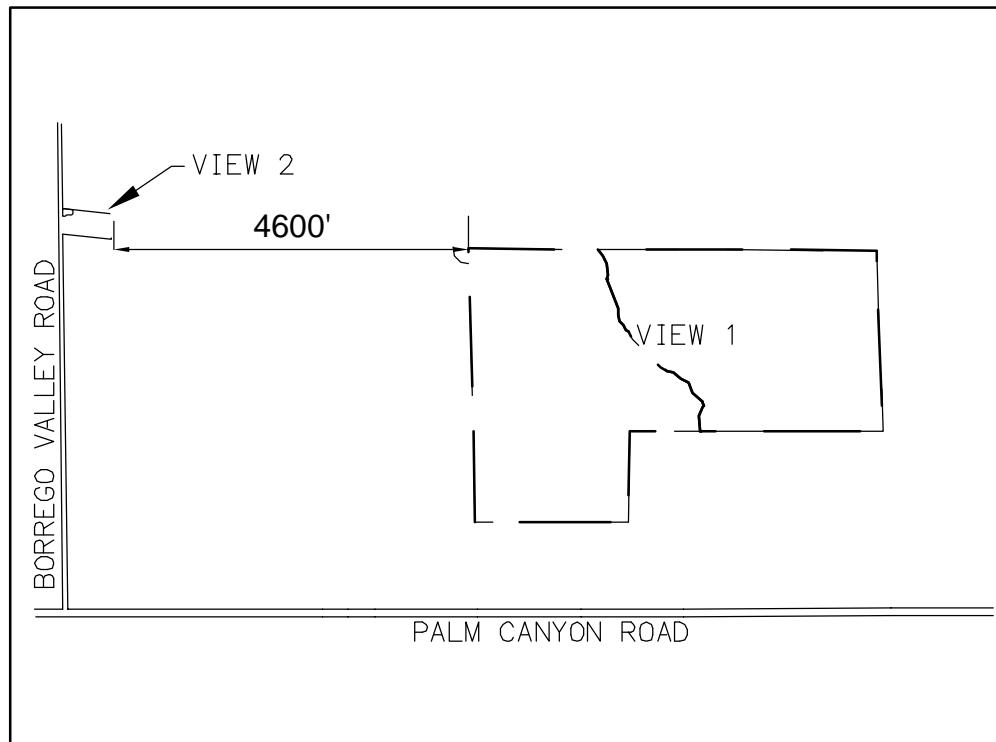
BORREGO SPRINGS, CA

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RBF JOB NO.

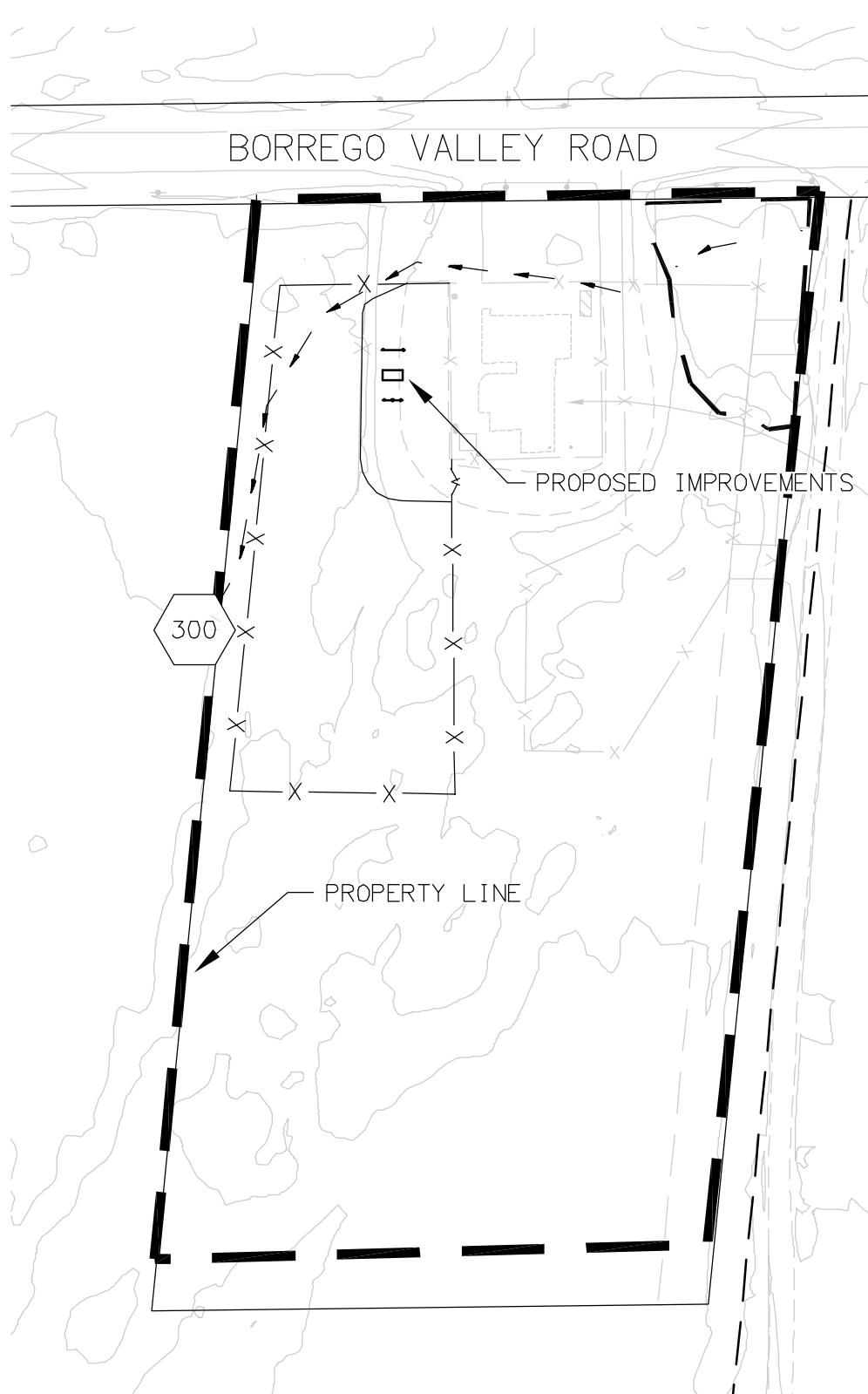
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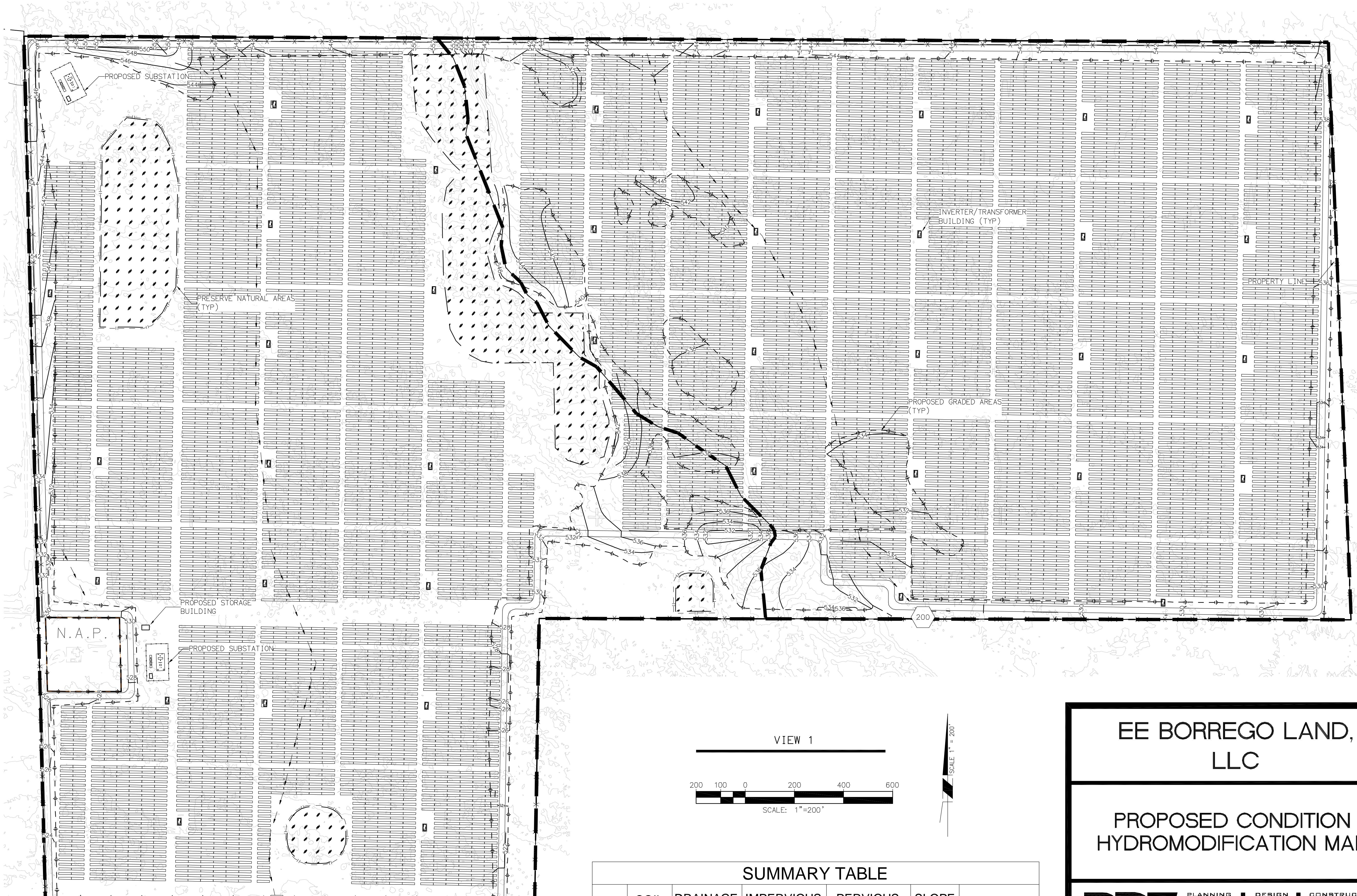
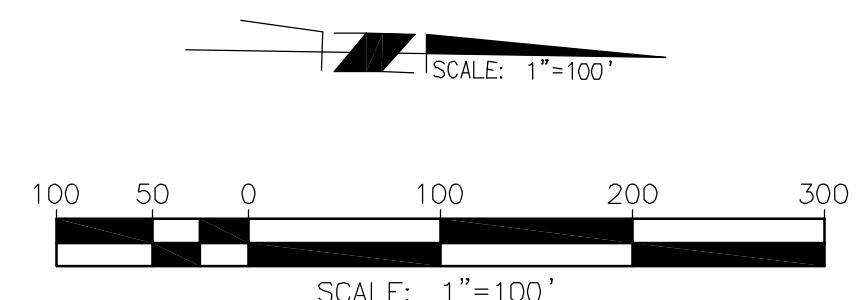
SYMBOL	ITEM
- - -	ON SITE DRAINAGE BOUNDARY
100	POINT OF COMPLIANCE
- - -	FLOW PATH



OVERALL MAP



VIEW 2



SUMMARY TABLE						
POC	SOIL TYPE	DRAINAGE AREA (AC)	IMPERVIOUS AREA (AC)	PERVIOUS AREA (AC)	SLOPE (%)	LAND USE
100	A	17.0	0.005	16.995	0.6	DESERT SHRUB/COMMERCIAL
	B	161.4	0.383	161.017	0.6	DESERT SHRUB/COMMERCIAL
200	A	2.7	0.001	2.699	0.5	DESERT SHRUB/COMMERCIAL
	B	161.6	0.217	161.383	0.5	DESERT SHRUB/COMMERCIAL
300	B	4.67	0.140	4.530	1.2	DESERT SHRUB/COMMERCIAL

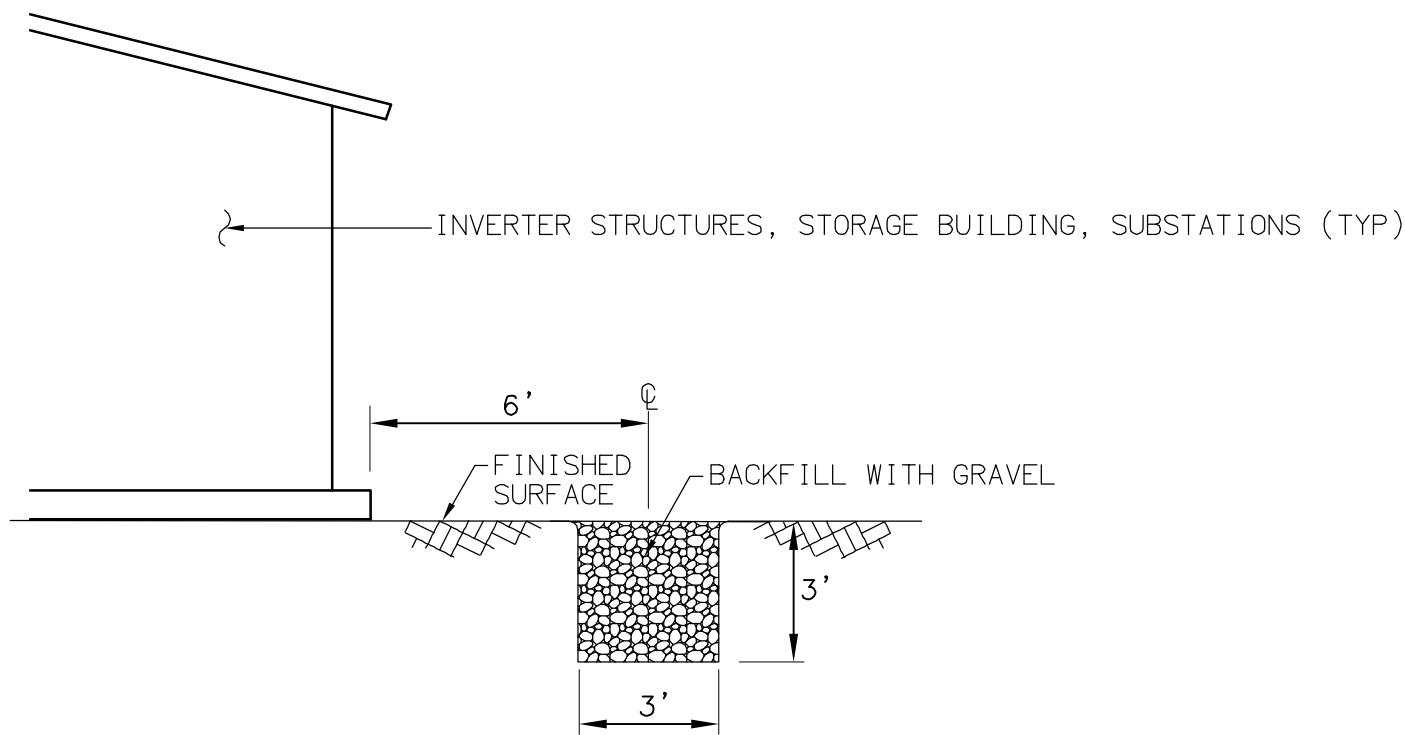
**EE BORREGO LAND,  
LLC**
**PROPOSED CONDITION  
HYDROMODIFICATION MAP**
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PROJECT LOCATION

BORREGO SPRINGS, CA

 DRAFTED BY DATE SCALE  
BM 04/14/2010 1"=200'  
RBF JOB NO.

25-103821



## **TYP. SECTION - INFILTRATION TRENCH**

N.T.S.

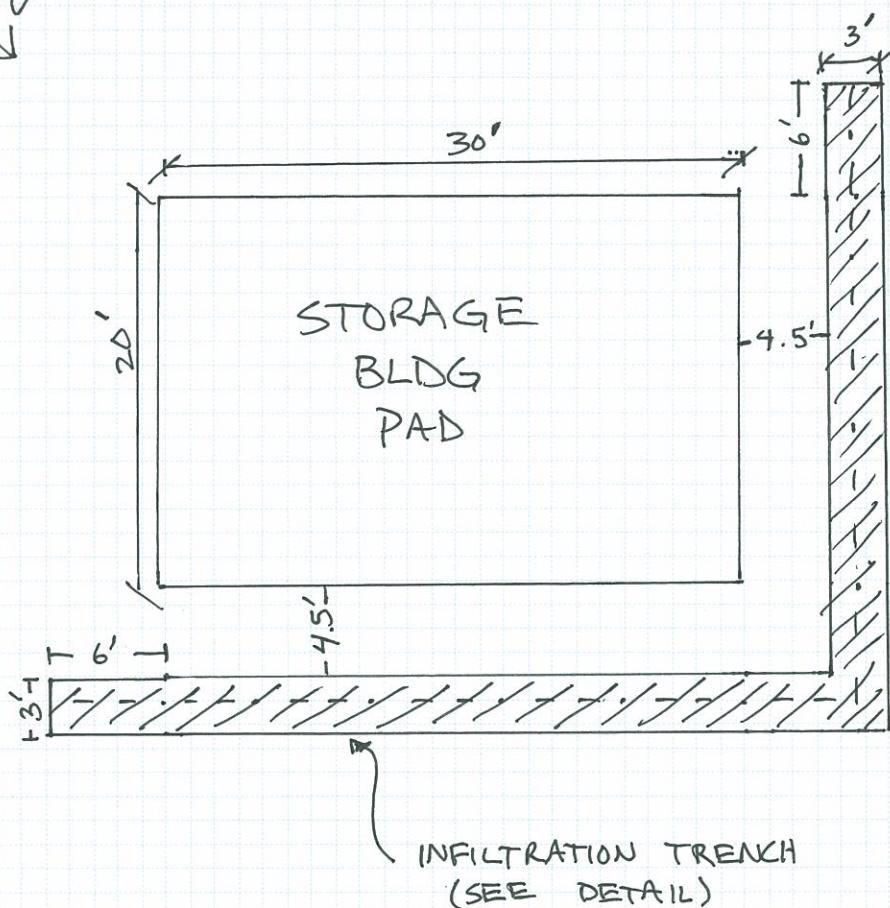
### **NOTE:**

INFILTRATION TRENCHES WILL BE CONSTRUCTED DOWNSLOPE FROM EACH OF THE 38 INVERTER BUILDING PADS, TWO ON-SITE SUBSTATIONS, STORAGE BUILDING, AND THE BORREGO SUBSTATION EXPANSION AREA.

IMP DRAINAGE (TYP.)  
STORAGE BUILDING

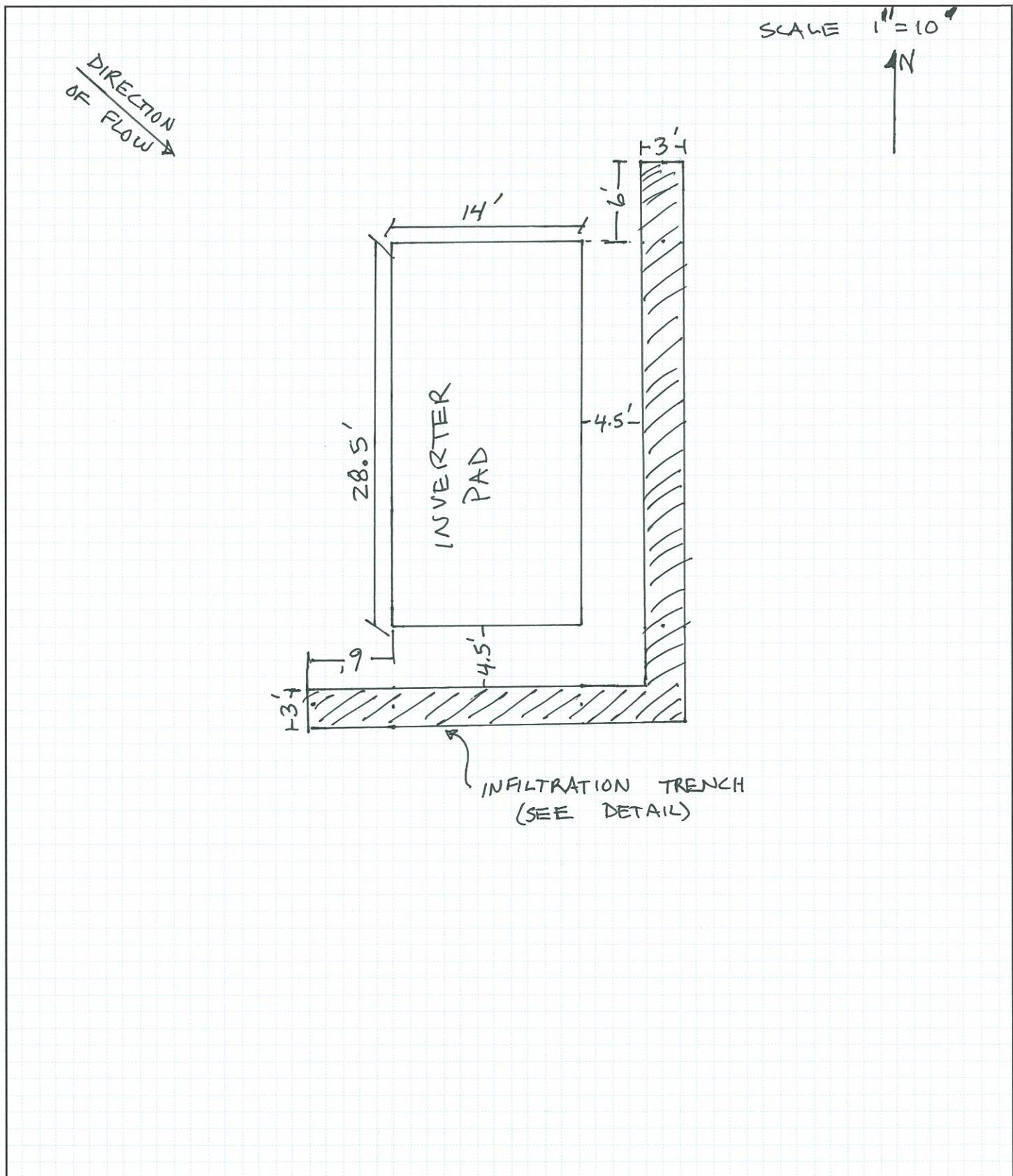
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 JOB NO. 25-103821  
 SHEET NO. 1 OF 4  
 DESIGNED BY BM DATE 5-12-10  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_

SCALE 1" = 10'



IMP DRAINAGE (TYP)  
INVERTER PAD

JOB NAME BORREGO PV SOLAR FARM  
 JOB NO. 25-103821  
 SHEET NO. 2 OF 4  
 DESIGNED BY BM DATE 5-12-10  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_



IMP DRAINAGE  
SUBSTATION

JOB NAME BORREGO PV SOLAR FARM

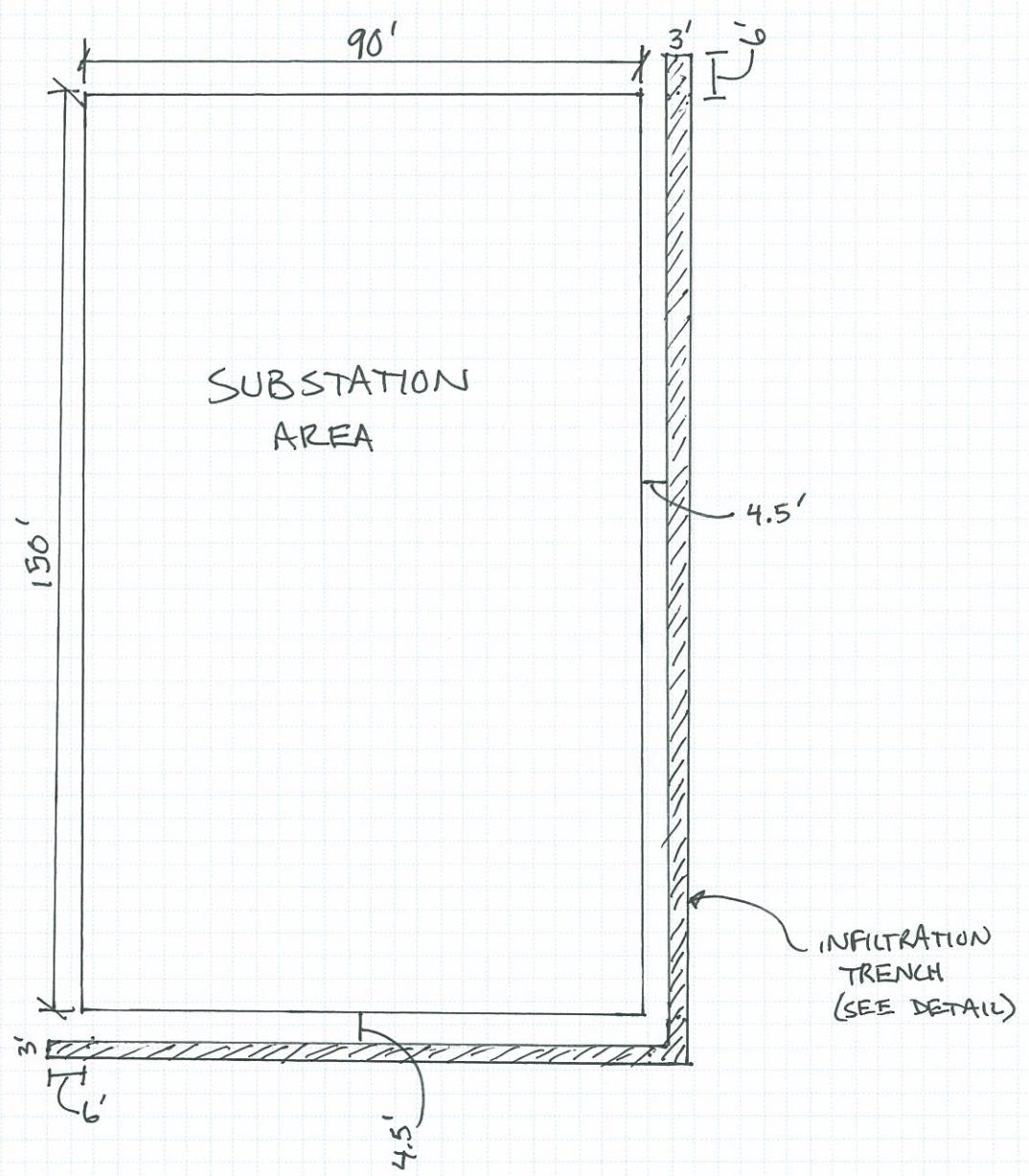
JOB NO. 25-103821

SHEET NO. 3 OF 4

DESIGNED BY BM DATE 5-12-10

CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_

SCALE 1" = 30'



IMP DRAINAGE  
ELECTRICAL APPURTENANCES

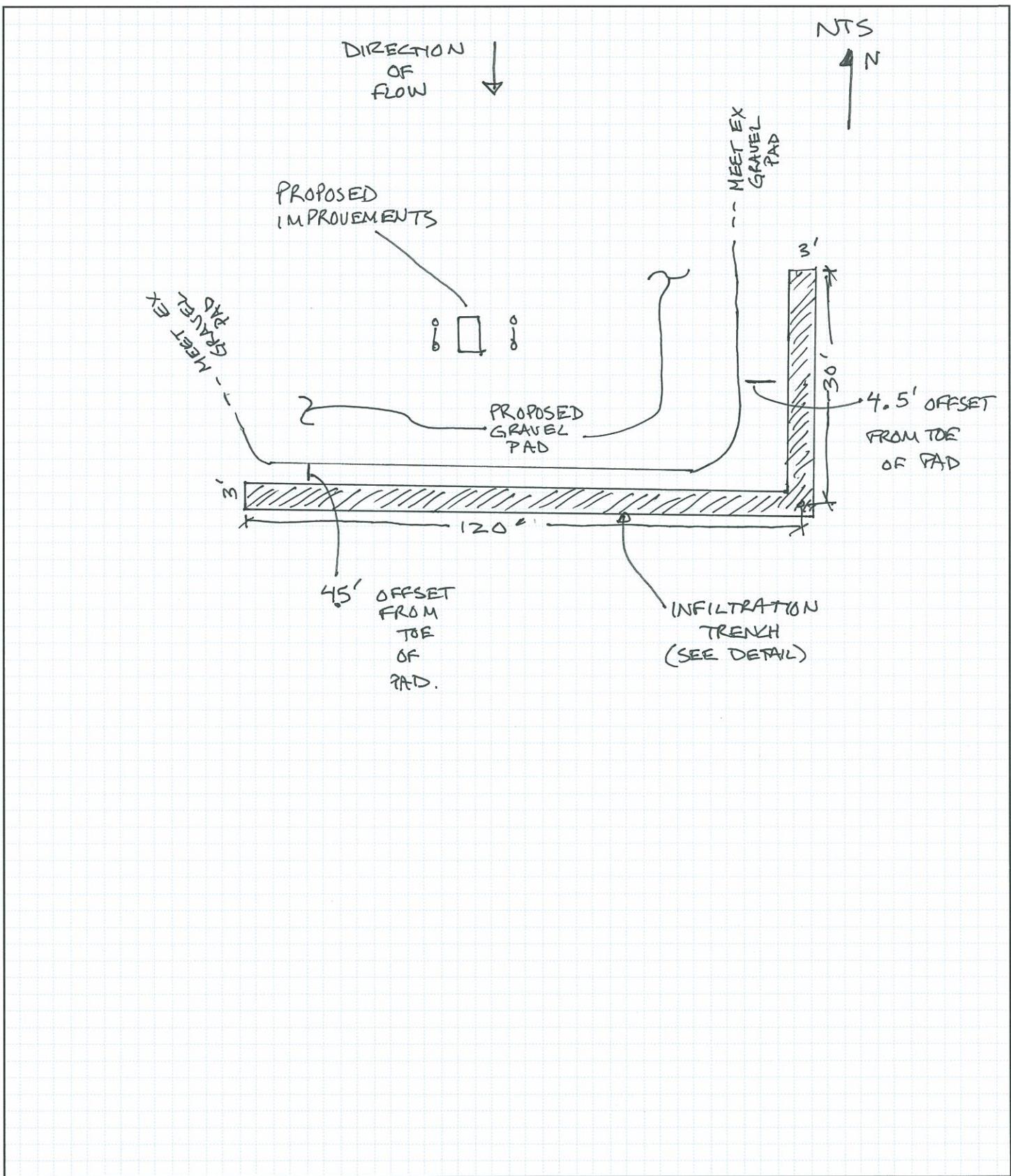
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JOB NO. 25-103821

SHEET NO. 4 OF 4

DESIGNED BY BM DATE 5-12-10

CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_

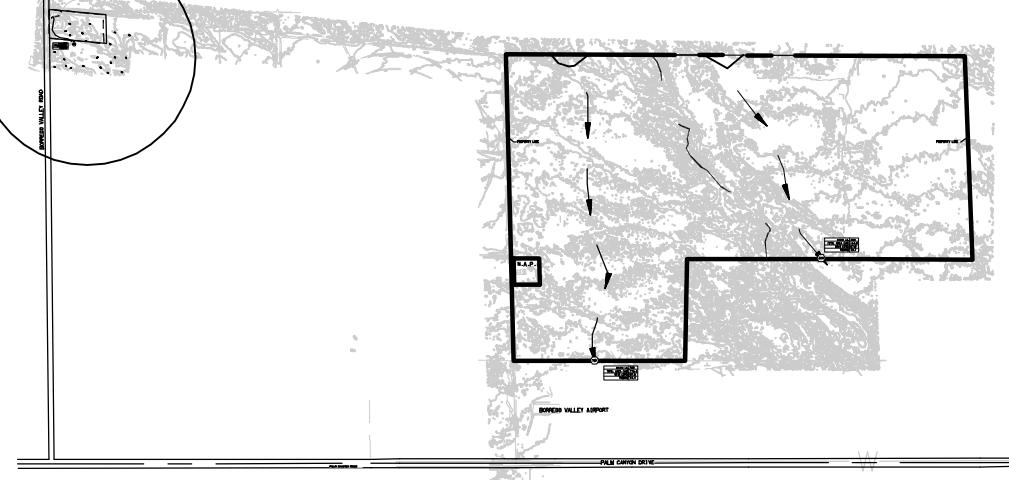


## **ATTACHMENT D**

### **Pre-Development Hydrology Map**

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SEE PAGE 2 OF 2 FOR FULL SIZE VIEW



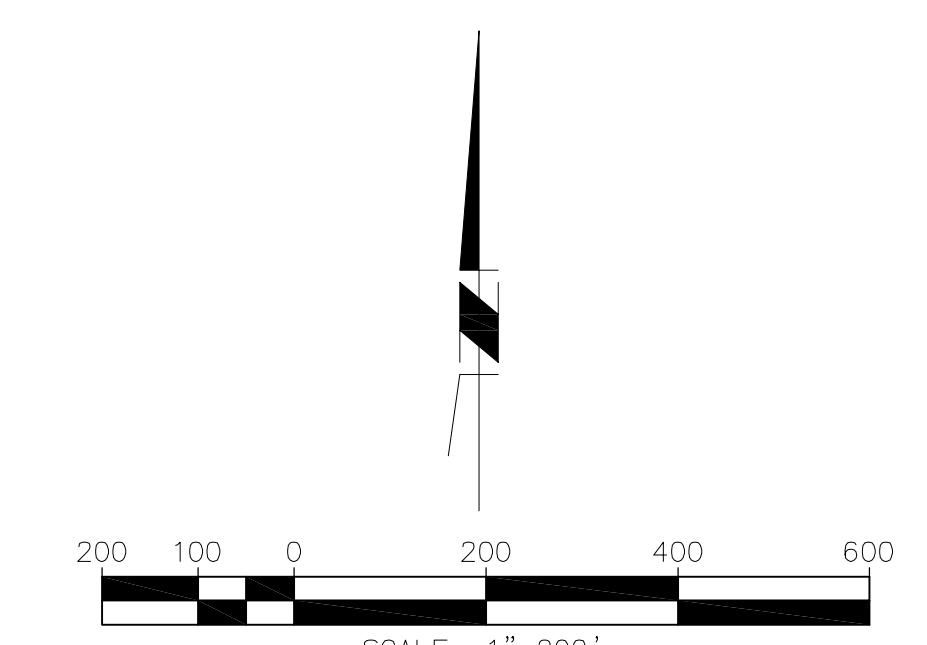
OVERALL MAP

LEGEND

SYMBOL	ITEM
— — —	ONSITE DRAINAGE BOUNDARY
— — —	INITIAL AREA
○ 100	NODE
— — —	FLOW PATH
SUMMARY TABLE	

BASIN I.D.	100
TOTAL AREA (AC)	1.0
Q100 (CFS)	1.0
TC(MIN)	5.0

BASIN I.D.	200
TOTAL AREA (AC)	164.3
Q100 (CFS)	67.9
TC(MIN)	42.7



BASIN I.D.	100
TOTAL AREA (AC)	178.4
Q100 (CFS)	67.9
TC(MIN)	48.4

N.A.P.

EE BORREGO LAND,  
LLC

EXISTING CONDITION  
DRAINAGE MAP

PAGE 1 OF 2

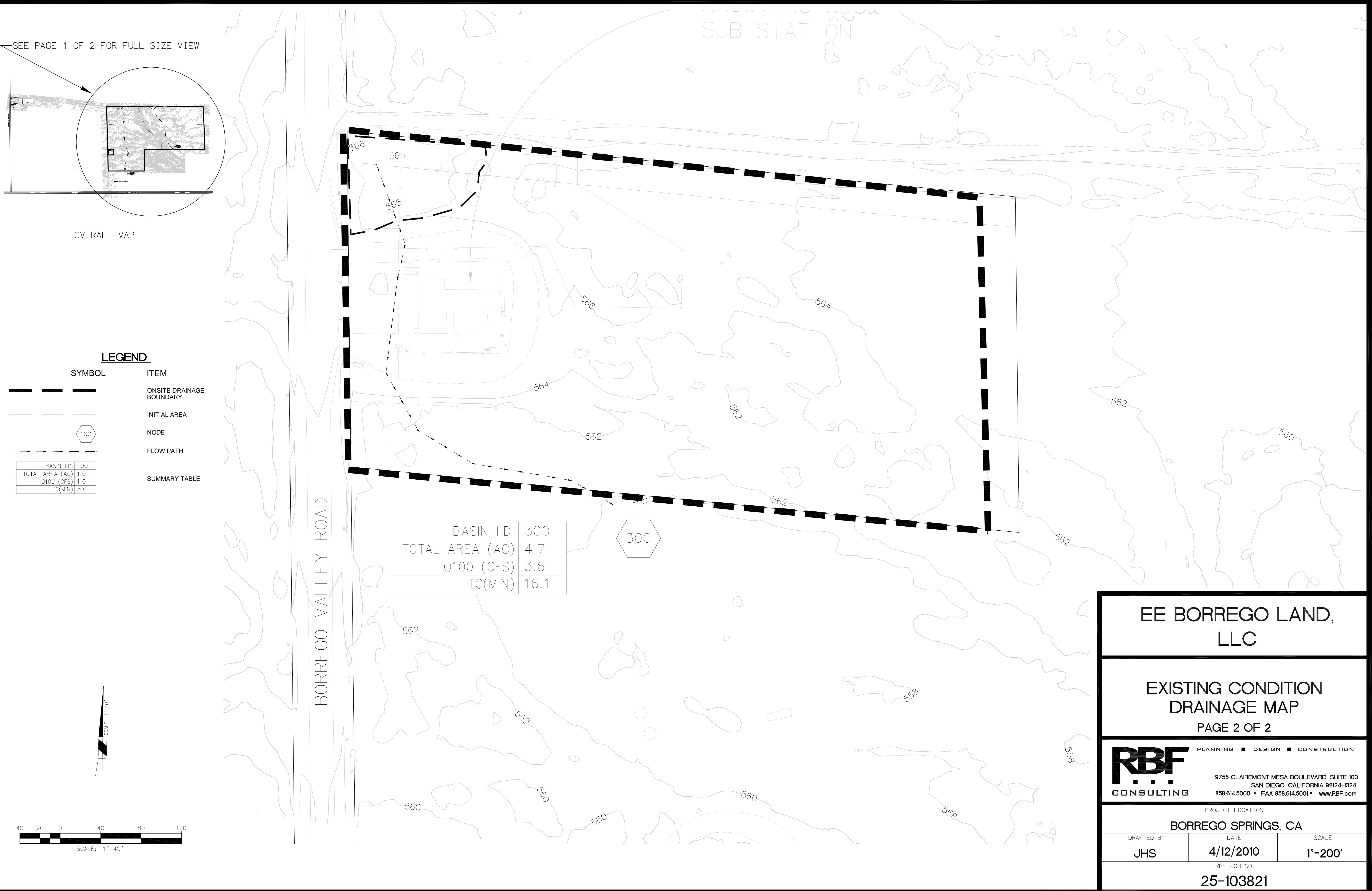
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PROJECT LOCATION

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JHS 4/12/2010 1"=200'  
RBF JOB NO.

25-103821

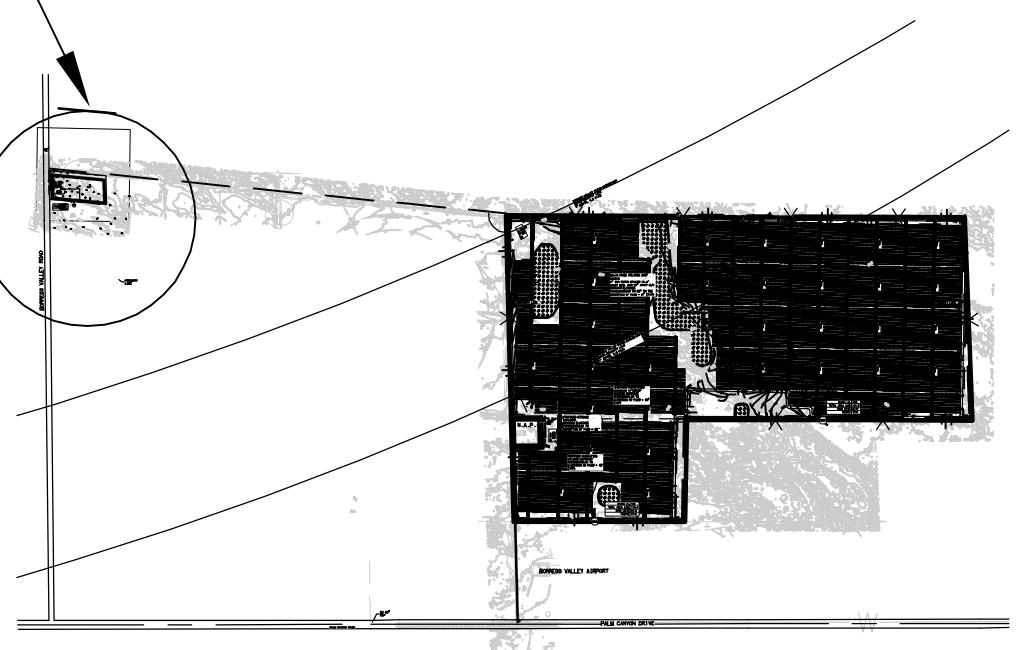


## **ATTACHMENT E**

### **Post-Development Hydrology Map**

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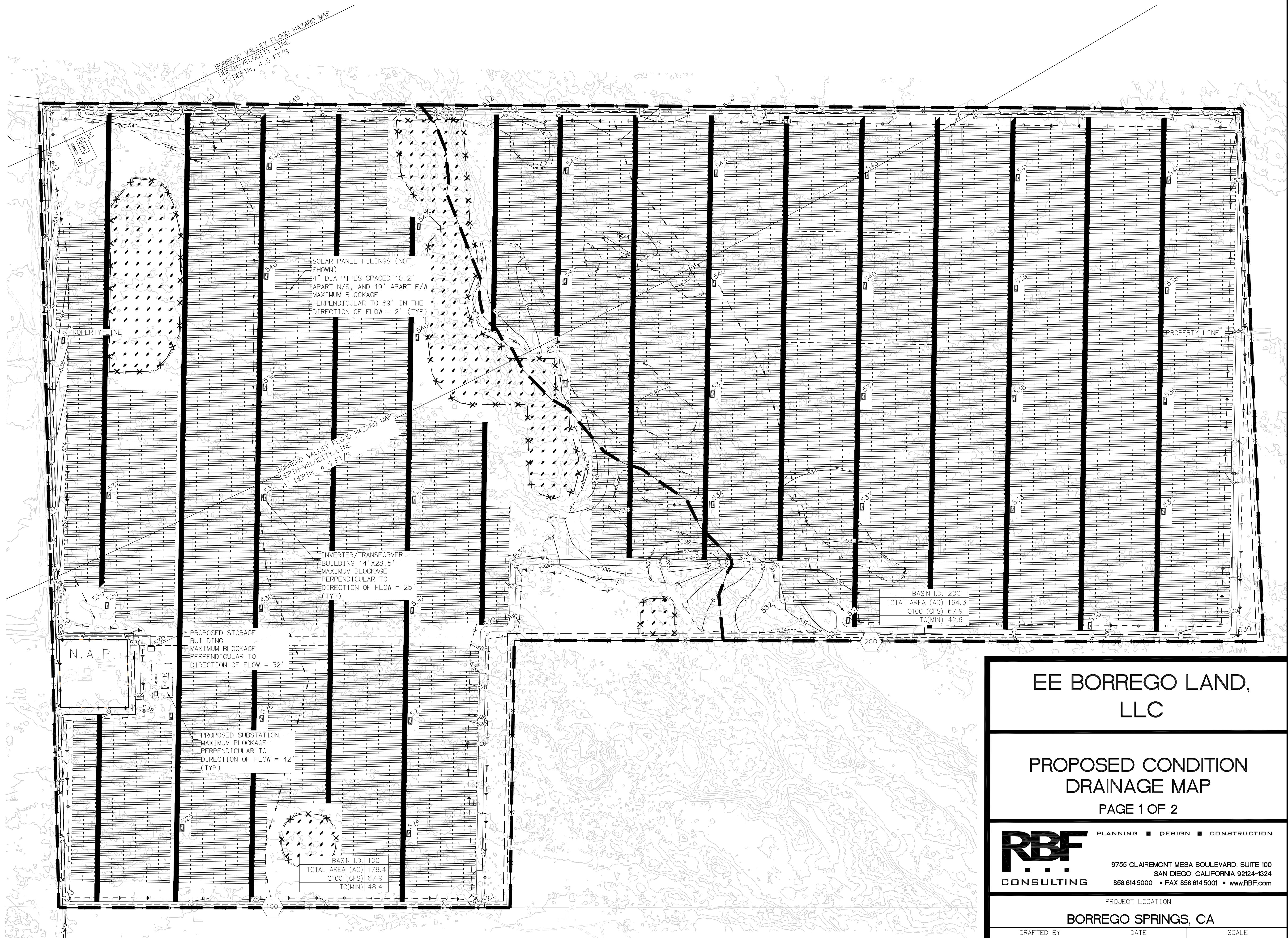
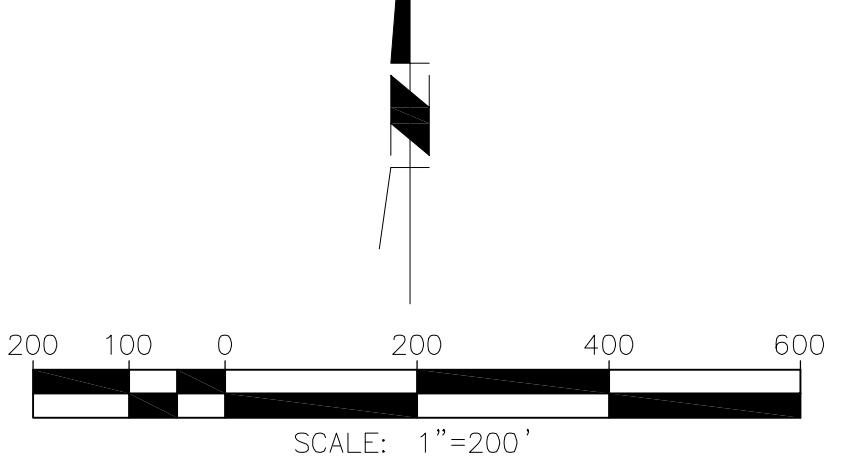
SEE PAGE 2 OF 2 FOR FULL SIZE VIEW



OVERALL MAP

LEGEND

SYMBOL	ITEM
	ON SITE DRAINAGE BOUNDARY
	INITIAL AREA
	NODE
	FLOW PATH
	SUMMARY TABLE



EE BORREGO LAND,  
LLC

PROPOSED CONDITION  
DRAINAGE MAP

PAGE 1 OF 2

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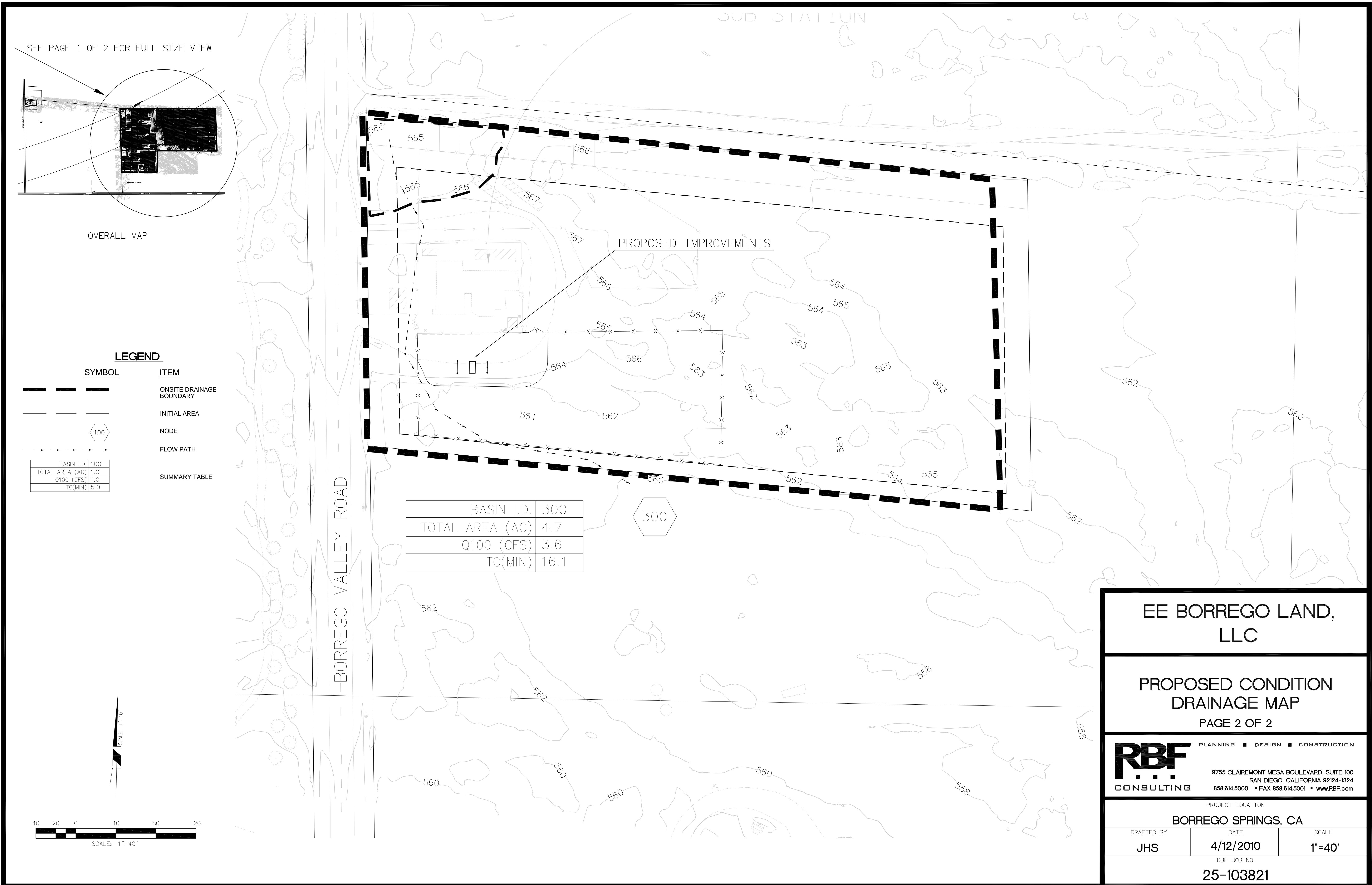
BORREGO SPRINGS, CA

DRAFTED BY DATE SCALE

JHS 4/12/2010 1"=200'

RBF JOB NO.

25-103821



## **ATTACHMENT F**

**Digital SDHM Files (Version 12-18-2009)**

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## **ATTACHMENT G**

### **Geotechnical Certification Sheet**

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## **Geotechnical Certification Sheet**

The design of stormwater treatment and other control measures proposed in this plan requiring specific soil infiltration characteristics and/or geological conditions has been reviewed and approved by a registered Civil Engineer, Geotechnical Engineer, or Geologist in the State of California.

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Name

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Date